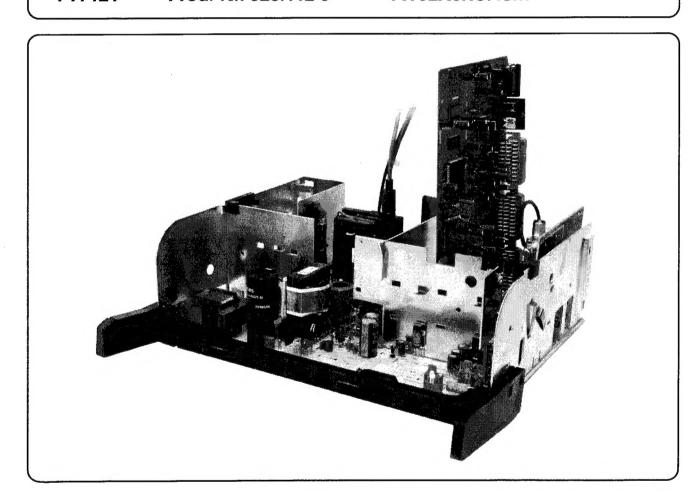
## MULTI CONCEPT 2B TN/TW CHASSIS (100 Hz, 4:3/16:9)

TV

- **GB** Service manual
- Service-Manual

# universum

FT7120 FT7121 Prod.-Nr. 867.510 0 Prod.-Nr. 528.112 6 TN71V3RUHBB TW82X6RUACM



## Contents Repair instructions ..... Operating instructions ......8 Initialization of NVRAM......8 Service adjustments \_\_\_\_\_\_\_9 Schematic diagrams .......18 Inhaltsverzeichnis Reparatur-Anweisung ..... Blockschaltbilden ......3



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## **®** Repair instructions

Service and repair work must be performed only in accordance with the existing safety regulations!

Where a high current or a mechanical stress exists solder connections have been strengthened by using eyelets. Such a connection must not be left without an eyelet. Wiring has an effect on safety and EMC (Electro-Magnetic Compatibility). Therefore wires must be maintained in their original positions.

#### X-RAY REGULATIONS:

The picture tube type and the maximum permissible high-voltage ensure that the X-ray intensity of the receiver remains far below the permissible value. The high-voltage must not exceed the value mentioned on the type label. The high voltage is within the permissible limits when the operating voltage (U1) of the horizontal deflection stage is accurate. Refer to the section "Service adjustments".

#### **ESD Warning**

The receiver contains components that are sensitive to electrostatic discharge (ESD). Any servicing or repair work must be done in an environment where the components will not be subjected to ESD. Use a special grounding device!

#### Surface-Mounted Device (SMD)

SMD's are glued and soldered. In order not to damage the P.C.B e.g. when replacing ICs and similar components with many soldering points, special tools are required when servicing SMD's.

#### Changes

The manufacturer reserves the right to change the design and specification without prior notice.

## ® Reparatur-Anweisung

Service- und Reparaturarbeiten dürfen nur in Übereinstimmung mit den gültigen Sicherheitsbestimmungen durchgeführt werden!

Bei bestehendem hohen Stromwerten oder mechanischer Beanspruchung müssen Lötverbindungen durch Ösen verstärkt werden. Eine derartige Verbindung darf nicht ohne Öse ausgeführt werden.

Die Verdrahtung hat Einfluß auf die Sicherheit und die elektromagnetische Verträglichkeit. Daher muß die ursprüngliche Anordnung der Verdrahtung erhalten bleiben.

#### RÖNTGENVERORDNUNG

Der Bildröhrentyp und die maximal zulässige Hochspannung stellen sicher, daß die Intensität der Röntgenstrahlen des Fernsehgerätes weit unter dem zulässigen Wert bleibt. Die Hochspannung darf nicht den auf dem Typenschild befindlichen Wert überschreiten. Die Hochspannung liegt im zulässigen Bereich, wenn die Betriebsspannung (U1) der Horizontal-Ablenkstufe genau eingehalten wird. Siehe auch Abschnitt "Service-Einstellungen".

#### **EGB-Warnung**

Das Fernsehgerät enthält Bauteile, die empfindlich auf elektrostatische Entladung reagieren. Alle Service- oder Reparaturarbeiten sind in einer Umgebung durchzuführen, in der die Bauteile nicht elektrostatischer Entladung ausgesetzt sind. Verwenden Sie eine spezielle Erdungsvorrichtung!

#### **SMD-Bauelement**

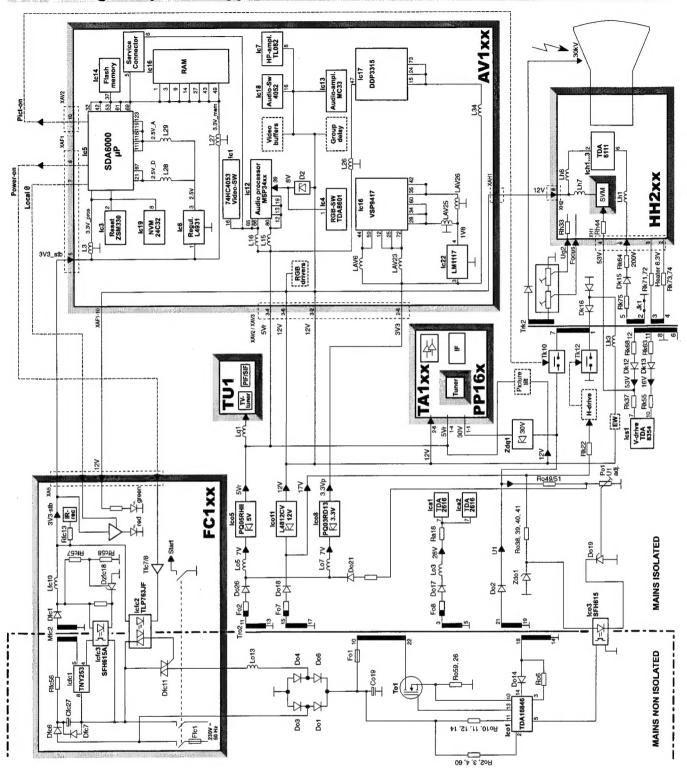
Die SMD's sind geklebt und verlötet. Es sind spezielle Werkzeuge erforderlich, damit bei Austausch von ICs und ähnlichen Bauteilen mit vielen Lötpunkten die Leiterplatte nicht beschädigt wird.

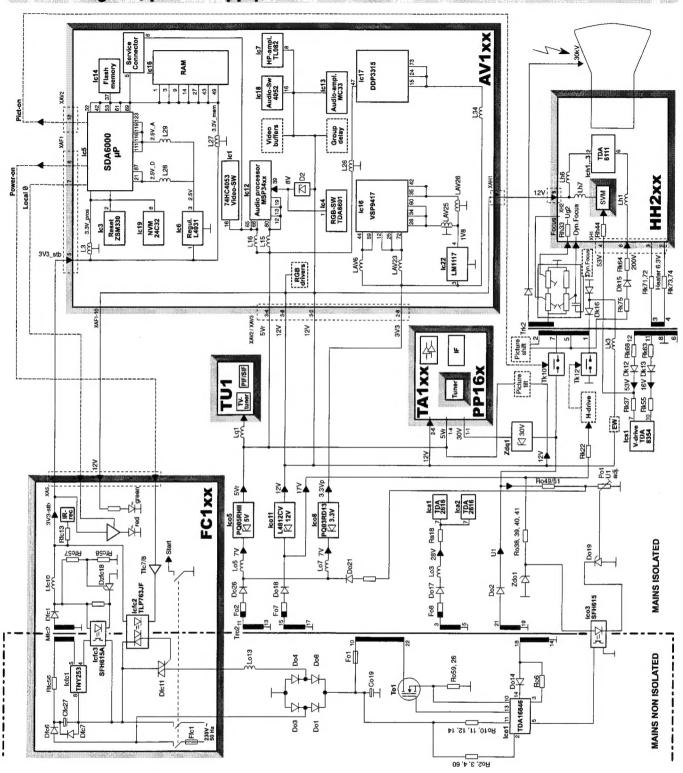
#### Änderungen

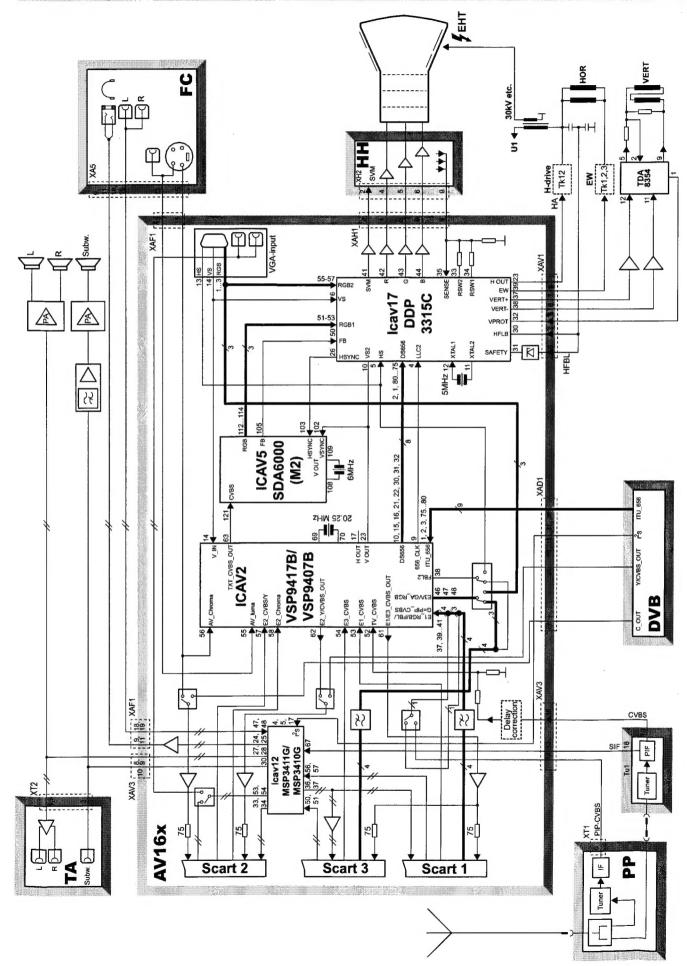
Der Hersteller behält sich das Recht vor, Änderungen in Bauart und Ausführung ohne vorherige Ankündigung durchzuführen.

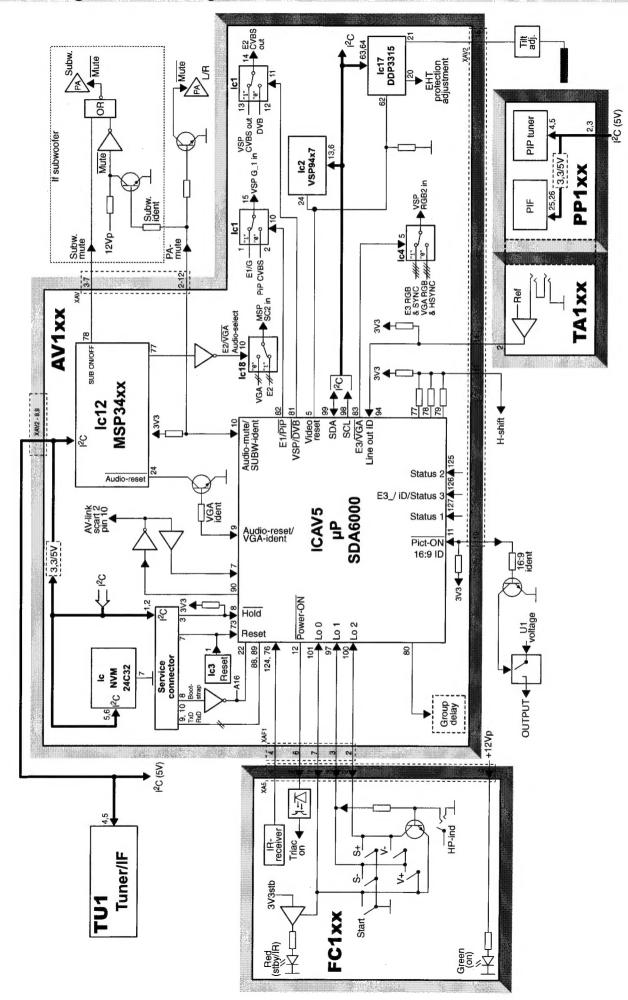
Technical data	Technische Daten	
System Multinorm NTSC	Norm Multinorm NTSC	PAL/SECAM B, G, D, K, K1, L, L', I 3.58 MHz via scart 4.43 MHz via RF / scart
Mains power Consumption 2) In stand-by	Netzanschluß Leistungsaufnahme <sup>2)</sup> In Bereitschaft	195264 V, 50 Hz 130 W (normal) < 1 W
Frequency range	Frequenzbereich	48.25855.25 MHz
Sound output (RMS) Subwoofer 1)	Tonendstufe (RMS) Subwoofer 1)	2 x 10 W/8 Ω 14 W/8 Ω
Connections on the front panel Headphones	Anschlüsse an der Vorderseite Kopfhöreranschluß	32600 Ω, 3.5 mm
Audio/Video	Audio/Video	Audio in: 02 V (RMS) Video in: 1 V/75 Ω Y/C in (SVHS)
Connections on the rear	Anschlüsse an der Rückseite	
Audio/Video	Audio/Video	Audio in: 02 V/R <sub>IM</sub> =1 k $\Omega$ Audio out: 02 V/R <sub>L</sub> min. 10 k $\Omega$ Video in/out: 1 V/75 $\Omega$ RGB in: 0.7 V/75 $\Omega$ (E1, E3 <sup>1)</sup> ) Y/C in (SVHS) (E2)
Antenna	Antennenanschluß	75Ω
Audio output right/left subwoofer	Audio Ausgang links/rechts subwoofer	02 V/10 kΩ (RCA) 02 V/10 kΩ 20180Hz (RMS) (RCA)
VGA input <sup>1)</sup>	VGA Eingang <sup>1)</sup>	640 x 480 60 Hz 640 x 350 70 Hz 640 x 400 70 Hz 720 x 400 70 Hz
VGA audio input 1)	VGA Audio-Eingang <sup>1)</sup>	02 V (RMS) (RCA)
Dimensions 3) (Width x depth x height / weight) 28" V3 4:3 32" X6 16:9	Maße 3) (Weite x Tiefe x Höhe / Gewicht) 28" V3 4:3 32" X6 16:9	754 x 500 x 565 mm / 33,0 kg 798 x 569 x 595 mm / 57,0 kg
Specifications are subject to change.	Änderungen vorbehalten	
<ol> <li>Not in all models.</li> <li>Depends on option modules and picture tube.</li> <li>Approximately.</li> </ol>	<ol> <li>Nicht in allen Modellen.</li> <li>Abhängig von Options- modulen und Bildröhre.</li> <li>Ungefähr.</li> </ol>	

## Block diagram, power supply 4:3

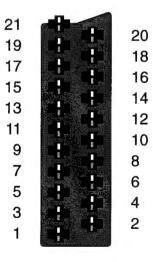








Pin	SCART 1 (E1)	SCART 2 (E2)	SCART 3 (E3, not in all models)
1	Audio out R, 0.5V (RMS)	Audio out R, 0.5V (RMS)	Audio out R, 0.5V (RMS)
2	Audio in R, 0.5V (RMS)	Audio in R, 0.5V (RMS)	Audio in R, 0.5V (RMS)
3	Audio out L, 0.5V (RMS)	Audio out L, 0.5V (RMS)	Audio out L, 0.5V (RMS)
4	Ground, audio	Ground, audio	Ground, audio
5	Ground, blue	Ground	Ground, blue
6	Audio in L, 0.5V (RMS)	Audio in L, 0.5V (RMS)	Audio in L, 0.5V (RMS)
7	RGB input, blue	S-video chrominance out	RGB input, blue
		(copy from front AV-connector)	
8	Switching voltage	Switching voltage	Switching voltage
	02V : no function	02V : no function	02V : no function
	4.57V : 16/9 picture ratio	4.57V : 16/9 picture ratio	4.57V : 16/9 picture ratio
	9.512V : normal picture ratio	9.512V : normal picture ratio	9.512V : normal picture ratio
9	Ground, green	Ground	Ground, green
10	-	AV-link bidirectional control	-
		logical 0: max 0.6V	
		logical 1: min 3.7V	
11	RGB input, green	-	RGB input, green
12	-	-	-
13	Ground, red	S-video ground (chrominance)	Ground, red
14	Ground	Ground	Ground
15	RGB input, red	S-video input (chrominance)	RGB input, red
16	Switching voltage, RGB blanking	-	Switching voltage, RGB blanking
17	Ground, video	Ground, video	Ground, video
18	Ground	Ground	Ground
19	Video out, 1 Vpp/75	Video out, 1 Vpp/75	Video out, 1 Vpp/75
		S-video out (luminance)	
20	Video in, 1 Vpp/75	Video in, 1 Vpp/75	Video in, 1 Vpp/75
	RGB sync in	S-video in (luminance)	RGB sync in
21	Shield	Shield	Shield



## **Operating instructions**



#### Changing the menu language

- 1. Press the menu button to select the main menu.
- Select "Settings" with the arrow buttons (left/right) and press the arrow button down.
- Select "Language" with the arrow buttons (up/down) and change the menu language with the arrow buttons (left/right).
- 4. Press the TV button to exit.

#### Manual tuning

- 1. Select the programme number you want to tune.
- 2. Press the MENU button.
- Select "Programs" with the arrow buttons (left/right) and press the arrow button down.
- Select "Manual tuning" with the arrow buttons (up/down) and press the arrow button right.
- 5. Press the arrow button right and select "Channel search" with the arrow buttons (up/down).
- 6. Press the arrow button right to start channel search.
- Press the TV button and then the arrow button right to confirm.
- 8. Press the OK button to store
- 9. Press the TV button to exit.

#### **APSi (Automatic Programming System)**

- 1. Press the MENU button.
- 2. Select "Programs" with the arrow buttons (left/right) and press the arrow button down.
- Select "Automatic retuning" with the arrow buttons (up/down) and press the arrow button right.
- To retune the channels, press the arrow button right and then the OK button.
- 5. Press the TV button to exit.



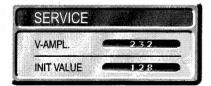


#### Service adjustments

## Service mode activation

The receiver must be switched on or be in stand-by mode when activating the service mode.

- Keep the —- (volume minus) button on local control unit pressed and at the same time start entering password: First MENU ,TV and "i" with the remote control. Release the —- button after the TV button has been pressed. If the receiver is in stand-by mode after the password was entered, switch on the receiver by pressing the TV button.
- 2. Activate the service mode by pressing the i button. The following adjustment menu appears on the screen:



The adjustment number and name, initializing value (down) and adjustment value (up) are shown in the menu.

Exit the service mode by pressing the TV button or logout by switching off the receiver with the mains switch.

Note! Service mode activation stays enabled until the receiver is switched off with the mains switch.

#### **Initialization of NVRAM**

In case that the NVRAM is replaced, it must be initialized and configured.

- Activate the service mode in stand-by mode as described in "Service mode activation".
- Initialize the NVRAM by entering the key code: BLUE, 2, 5, 4 and OK. Initializing will take about 20 s. The receiver switches on automatically when the initializing is ready.
- 3. Activate the service mode by pressing the i button.
- 4. Press the GREEN button to configure the receiver, see also chapter "Configuration and fault diagnostics". (check that the automatic configuration results in IIC DEV 1-3 and IF OPT bytes are corresponding to the actual configuration of the receiver).
- Set manual option bytes (TXT OPT, SYS OPT 1 and 2) to correspond to the actual configuration of the receiver. Press the OK button to store the settings.
- 6. Switch off the receiver by pressing the mains switch.
- 7. Switch on the receiver by pressing the mains switch and tune one or more tv channels.
- Activate the service mode and make the necessary service adjustments.
- 9. Switch off the receiver by pressing the mains switch.

## Service adjustments

## Configuration and fault diagnosis

The receiver must be configured after adding or removing any options. By pressing the GREEN button in service mode, the processor checks the configuration of the receiver and shows the settings on the screen. The configuration can be stored by pressing the OK button.

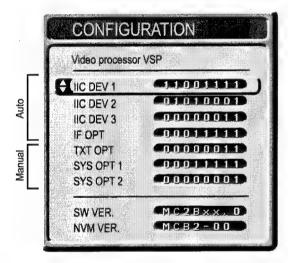
Note! Disconnect Scart 3 and RCA (line out) cables before configuring the receiver.

This feature can also be used in fault diagnosis. If an option bit is not '1' when it should be, the IC (or feature) is either not present or faulty.

Note! IIC DEV 1-3 and IF OPT bytes are configured automatically every time the GREEN button is pressed. TXT OPT, SYS OPT 1 and 2 bytes must be set manually.

#### Changing the option bytes

 Select the configuration mode by pressing the GREEN button in the service mode.



SW VER. =  $\mu P$  software version. NVM VER. = NVRAM software version.

- 2. Select IIC Device byte 1 4, Option byte 1 5 or Uif flags byte with the arrow buttons (up/down).
- The name of a responding bit can be seen when using the arrow buttons (up/down and left/right). The selected bit is shown highlighted.
- 4. Set / clear the bits with the number buttons (0 ... 7).
- 5. Store the settings by pressing the OK button.
- Return to the normal service mode by pressing the GREEN button.

Opti	ion byte description	'1'	'0'
Bit	Setting Description 7 6 5 4 3 2 1 0  IIC DEV 1 11001111	1	U
0 1 2 3 4 5 6 7	Video processor VSP Deflection processor DPP TV Tuner PLL TV Tuner IF PIP Tuner PLL PIP Tuner IF Audio processor MSP Subwoofer	Yes Yes Yes Yes Yes Yes Yes	No No No No No No
	IIC DEV 2 01010001		
0 13 4 5 6 7	Virtual sound MSP Free Tube 16:9 VGA PIP processor Free	Yes Yes Yes Yes Yes Yes	No No No No No
	JIC DEV 3 00000011		
0 1 27	Ext 3 Lineouts module Free	Yes Yes Yes	No No No
	IF OPT 00011111		
0 1 2 3 4 5 6 7	B/G system in IF I system in IF D/K system in IF L system in IF L' system (Inv I L) in IF NTSC M system in IF Free Free	Yes Yes Yes Yes Yes Yes Yes	No No No No No No No
	EXT OPT 00000011		
0 1 27	TOP enabled FLOF enabled Free	Yes Yes Yes	No No No
	SYS OPT 1 00011111		
0 1 2 3 4 5 6 7	E0 (A/V connector) installed E1 RGB disabled on non-E1/E3 programs ACI enabled Carrier mute enabled Loudness enabled Tube type bit 0 Tube type bit 1 Free	Yes Yes Yes Yes Yes Yes Yes	No No No No No No No
	SYS OPT 2 00000001		
0 1 26 7	Picture tilt Autostart, Special monitor use Free Limited volume	Yes Yes Yes	No No No No

## Service adjustments via I<sup>2</sup>C-bus

#### Remote control buttons in service mode

When the receiver is in the service mode you can select the normal TV mode by pressing the TV button and return to the service mode by pressing the i button. The number and the arrow buttons are used for service adjustments. The OK button stores the settings.

#### Adjustments for different picture formats

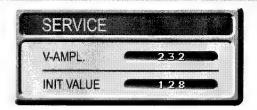
Make all adjustments with a PAL signal unless otherwise mentioned. Make 4:3 set adjustments with normal 4:3 (classic) picture format and 16:9 set adjustments with wide (16:9) picture format. Then make the necessary adjustments with other picture formats/signals. The required adjustments are shown in the table below.

Note! Check the configuration of the receiver before making the adjustments and make only the necessary adjustments.

#### Making the service adjustment

 Give a two digit code which determines an adjustment (e.g. 04 = width, see the following tables) with the number buttons or select an adjustment stepping with the arrow buttons (up/down).

Note! Power supply and Ug2 adjustments must be done before picture geometry adjustments.



- 2. Adjust with the cursor buttons (left/right).
- 3. Store the new value by pressing the OK button.

#### Note!

- To avoid incomplete adjustments store each adjustment in the memory immediately after an adjustment has been made.
- If an adjustment has to be made separately for different picture format/signal, select first the normal TV mode by pressing the TV button and select then the desired picture format/signal. Return to service mode by pressing the i button.

#### Making the picture geometry adjustments

To help the adjustment of geometry with living picture a red border appears around the deflection area of the picture. It can be switched ON/OFF with the RET-button.

## Picture geometry adjustments

Adjustment	Code	OSD name	4:3 classic/16:9 wide	Progressive scan 50 Hz	VGA 60Hz	VGA 70Hz	Note!
Vertical amplitude	00	V-AMPL.	x	x	x	x	-
Vertical off-centre shift	01	V-SHIFT	X	×	x	×	
Linearity	02	LINEARITY	X	x		х	
Vertical S-correction	03	S-CORR.	X	X		х	
Width	04	WIDTH	X	X	x	x	
Horizontal shift deflection	05	H-SHIFT	X				Adjust deflection to center of screen (only in
Horizontal phase video	06	PHASE	X				VGA sets).
Horizontal blanking	07	HOR BLANK	X				First find the adjustment values where the
Parabola	08	PARABOLA	X	х	Х	Х	blanking begins to come over the red area (left/right) and then adjust blanking to the
Upper corners	09	CORNER UP	X	x	х	X	middle of these adjustment values.
2nd upper corners	10	CORN 2 UP	Х	х			
Lower corners	11	CORNER LO	x	х	х	х	
2nd lower corners	12	CORN 2 LO	x	x			
Bow	13	BOW	x	x		х	
Trapezium	14	TRAPEZIUM	х	х		x	
Parallelogram distortion	15	ANGLE	х	х		x	

## Other adjustments

Adjustment	Code	OSD name	Note!
Screen grid voltage	16	G2	Adjust the Ug2 until the display shows 140 ± 20.
			Note! Don't press the OK button if only Ug2 adjustment is needed.
			If the colour temperature adjustment is needed, start it here by pressing the OK button. This restores the default value of codes 1419 and locks the reference value (2022) of the highest gun.
Red gain	17	R GAIN	
Green gain	18	G GAIN	This procedure is necessary e.g. when the picture tube, CRT-module
Blue gain	19	B GAIN	etc. has been replaced.
•			First adjust the GAIN values (white area to 80 nit) and then REF values
Red reference	20	R REF.	(dark area to 1.5 nit). Check then GAIN values again and adjust them
Green reference	21	G REF.	again if needed.
Blue reference	22	B REF.	Adjusting: Pressing the RET button changes gray-picture / external-picture and pressing the RED (down) and the YELLOW (up)button changes the contrast value.
Subcarrier adjust	23	SUB-	Start adjustment by pressing right arrow button.
oubcarrier adjust	20	CARRIER	Press the OK button to store the value (must be between 2935).
High voltage limitation	24	EHT PROT	Adjust the value upwards until the TV picture becomes blanked. At the same time the value will be decreased automatically with 60 steps. After that press the OK button to store the adjustment.

## Variable adjustments

Adjustment	Code	OSD name	Note!
BCL (beam current limitation) threshold	25	BCL THRES	values is).
BCL gain	26	BCL GAIN	
Threshold for H/V-amplitude EHT corr.	27	EHT THRES	default e info ustmen
EHT compensation for H-amplitude	28	EHTH1	ated paratit adjit
EHT compensation for V-amplitude	29	EHTV1	in sel
H-compensation with higher beam currents	30	EHTH2	ire tul
V-compensation with higher beam currents	31	EHTV2	Pictur are gi
		l i	

## Service adjustments

## O Power supply block

#### Supply voltage and protection circuit

- Set the brightness and the contrast to the normal level. Connect a universal voltmeter to the cathode of Do2.
- Adjust the U1 voltage with Po1. The voltage depends on the picture tube type, refer to the section "Variable components".

#### **Safety features**

Activation of the service mode disables the following features:

- · Horizontal safety function (EHT)
- Start-up checking: Video processor and Deflection processor fail to initialize correctly.

## K Horizontal deflection block

## **Horizontal linearity**

Adjust with Lk1.

#### **Focusing**

Set the brightness and the contrast to the normal level. Use the crosshatch pattern and adjust the picture for optimum resolution.

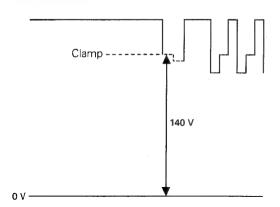
#### (Screen grid voltage) Ug2 voltage

Ug2 voltage can easily be adjusted with help of the on screen display, see section "other adjustments" / screen grid voltage.

## Ug2 adjusting with oscilloscope:

- Set the brightness and the colour saturation to the normal level and the contrast to minimum.
- 2. At the end of the vertical blanking, there is a black current measurement pulse (clamp pulse) at pin 9 of ICh1, ICh2 and ICh3. Use an oscilloscope and find the output stage with the highest cut-off (i.e. the highest voltage during the black current measurement pulse).
- Adjust the voltage of the clamp pulse to +140 V with Ug2 (see figure).

Note! Adjust the voltage with a clamp pulse.



## To reset the remote control

- 1. Remove batteries
- Reset the remote control by pressing the BLUE button approx. 10 seconds and then mount the batteries.



## Bedienungsanleitung



#### Ändern der Menüsprache

- 1. Drücken Sie zur Wahl des Hauptmenüs die menütaste.
- 2. Wählen Sie "Einstellungen" mit den Pfeiltasten (links/rechts) und drücken Sie die abwärtszeigende Pfeiltaste.
- 3. Wählen Sie "Sprache" mit den Pfeiltasten (aufwärts/abwärts) und ändern Sie die Menüsprache mit den Pfeiltasten (links/rechts).
- 4. Beenden Sie den Vorgang durch Drücken der Taste TV.

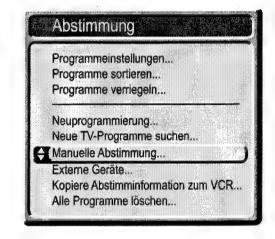
#### Manuelle Abstimmung

- 1. Wählen Sie die Programmnummer, die Sie abstimmen möchten.
- 2. Drücken Sie die Taste MENU.
- 3. Wählen Sie "Programme" mit den Pfeiltasten (links/rechts) und drücken Sie die abwärtszeigende Pfeiltaste.
- 4. Wählen Sie "Manuelle Abstimmung" mit den Pfeiltasten (aufwärts/abwärts) und drücken Sie die rechte Pfeiltaste.
- 5. Drücken Sie die rechte Pfeiltaste und wählen Sie "Kanalsuche" mit den Pfeiltasten (aufwärts/abwärts).
- 6. Drücken Sie die rechte Pfeiltaste, um die Kanalsuche zu
- 7. Drücken Sie zur Bestätigung die Taste TV und dann die rechte Pfeiltaste.
- 8. Drücken Sie zur Speicherung die Taste OK.
- Beenden Sie den Vorgang durch Drücken der Taste TV.

#### APSi (Automatisches Programmiersystem)

- 1. Drücken Sie die Taste MENU.
- 2. Wählen Sie "Programme" mit den Pfeiltasten (links/rechts) und drücken Sie die abwärtszeigende Pfeiltaste.
- 3. Wählen Sie "Automatische Neuabstimmung" mit den Pfeiltasten (aufwärts/abwärts) und drücken Sie die rechte Pfeiltaste.
- 4. Drücken Sie zur Neuabstimmung der Kanäle die rechte Pfeiltaste und dann die Taste OK.
- 5. Beenden Sie den Vorgang durch Drücken der Taste TV.



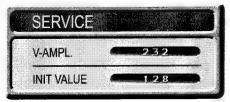


## Service-Einstellungen

#### Aktivierung des Servicemodus

Das Fernsehgerät muss bei der Aktivierung des Servicemodus eingeschaltet oder im Stand-by-Modus

- Halten Sie die Taste- (Lautstärke verringern) an den Bedienelementen am Fernsehgerät gedrückt und drücken Sie gleichzeitig mit der Fernbedienung nacheinander die Tasten MENU, TV und i. Lassen Sie die Taste- anach dem Drücken der Taste TV los. Falls das Fernsehgerät nach Eingabe dieses Codes im Stand-by-Modus ist, schalten es durch Drücken der Taste TV ein.
- 2. Aktivieren Sie den Servicemodus durch Drücken der Taste-i. Das folgende Einstellmenü erscheint auf dem Bildschirm:



Einstellzahl und -Name, der Initialwert (abwärst) und der Einstellwert (aufwärst) werden im Menü gezeigt.

3. Beenden Sie den Servicemodus durch Drücken der Taste TV oder loggen Sie sich durch Ausschalten des Fernsehgerätes mit dem Netzschalter aus.

Hinweis: Der Servicemodus bleibt aktiviert, bis das Fernsehgerät mit dem Netzschalter ausgeschaltet wird.

#### Initialisierung des NVRAM

Falls der NVRAM ausgetauscht worden ist, muß dieser initialisiert und konfiguriert werden.

- 1. Aktivieren Sie im Stand-by-Modus den Servicemodus wie unter "Aktivierung des Servicemodus" beschrieben.
- 2. Initialisieren Sie den NVRAM durch Eingabe des Tastencodes: Blaue Taste, 2, 5, 4 und OK. Die Initialisierung dauert etwa 20 Sekunden. Das Fernsehgerät schaltet sich automatisch ein, wenn die Initialisierung vollzogen ist.
- 3. Aktivieren Sie den Servicemodus durch Drücken der Taste-i.
- 4. Drücken Sie die grüne Taste zur Konfiguration des Fernsehgerätes; siehe auch Kapitel "Konfiguration und Fehlerdiagnose". (Stellen Sie sicher, daß die automatische Konfiguration IIC DEV 1-3 ergibt und die IF OPT-Bytes der aktuellen Konfiguration des Fernsehgerätes entsprechen.)

## Service-Einstellungen

- 5. Stellen Sie die manuellen Optionsbytes (TEXT OPT, SYS OPT 1 und 2) auf die aktuelle Konfiguration des Fernsehgerätes ein. Drücken Sue zur Speichern der Einstellungen die Taste OK.
- 6. Schalten Sie das Fernsehgerät mit dem Netzschalter aus.
- 7. Schalten Sie das Fernsehgerät mit dem Netzschalter ein und stimmen Sie einen oder mehrere Fernsehkanäle ab.
- 8. Aktivieren Sie den Servicemodus und nehmen Sie die nötigen Serviceeinstellungen vor.
- 9. Schalten Sie das Fernsehgerät mit dem Netzschalter aus.

#### Konfiguration und Fehlerdiagnose

Das Fernsehgerät muß nach Hinzufügen oder Wegnahme von Optionen konfiguriert werden. Bei Drücken der grünen Taste im Servicemodus überprüft der Prozessor die Konfiguration des Fernsehgerätes und zeigt die Einstellungen auf dem Bildschirm. Die Konfiguration kann durch Drücken der Taste-OK gespeichert werden.

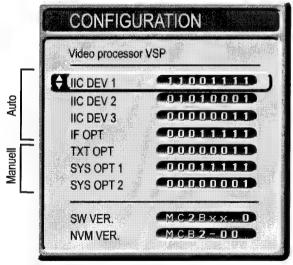
Hinweis! Entfernen Sie vor der Konfiguration des Fernsehgerätes die Scart 3- und RCA-Ausgangskabel.

Dieses Feature kann auch bei der Fehlerdiagnose verwendet werden. Falls ein Optionsbit nicht wie erwartet '1' sein sollte, ist der IC oder das Feature entweder nicht vorhanden oder fehlerhaft.

Hinweis: Die Bytes IIC DEV 1 - 3 und IF OPT werden immer bei Drücken der grünen Taste automatisch konfiguriert. Die Bytes TXT OPT sowie SYS OPT 1 und 2 müssen manuell eingestellt werden.

#### Ändern der Optionsbytes

1. Wählen Sie den Konfigurationsmodus durch Drücken der grünen Taste im Servicemodus.



SW VER. = Softwareversion  $\mu P$ . NVM VER. = Softwareversion NVRAM.

- 2. Wählen Sie den IIC Gerätebyte 1 4, den Optionsbyte 1 - 5 oder den UIF-Zustandsbyte mit den Pfeiltasten (auf-/abwärts).
- 3. Der Name eines entsprechenden Bits wird bei Drücken der Pfeiltasten (auf-/abwärts und links/rechts) sichtbar. Das gewählte Bit erscheint hervorgehoben.
- 4. Stellen bzw. löschen Sie die Bits mit den Zifferntasten (0 ... 7).
- 5. Speichern Sie die Einstellungen durch Drücken der Taste-OK.
- 6. Kehren Sie durch Drücken der grünen Taste in den normalen Servicemodus zurück.

Bes	chreibung der Optionsby	tes		
Bit		instellung 5 4 3 2 1 0	'1'	'0'
		001111		
0	Videoprozessor VSP Ablenkprozessor DPP		Ja	Nein Nein
2	TV-Tuner PLL TV-Tuner IF		Ja	Nein Nein
4 5 6	PIP-Tuner PLL PIP-Tuner IF Audioprozessor MSP		Ja	Nein Nein Nein
7	Subwoofer			Nein
	IIC DEV 2 01	010001		
0	Virtueller Sound MSP Frei			Nein Nein
4 5	Bildröhre 16:9 VGA		Ja	Nein Nein
6 7	PIP-Prozessor Frei		Ja	Nein Nein
	IIC DEV 3 (OO	000011		
0	Ext 3	000011	Ja	Nein
1 27	Ausgangsmodul Frei			Nein Nein
	IF OPT OO	011111		
0	B/G -System im IF	////		Nein
1 2 3	I-System im IF D/K-System im IF L-System im IF		Ja	Nein Nein Nein
4	L'-System (Inv I L) im IF NTSC M-System im IF		Ja	Nein Nein
67				Nein
	TXT OPT // OO	000011		
0	TOP aktiviert FLOF aktiviert			Nein Nein
27			Ja	Nein
	SYS OPT 1 00	011111		
0	E0 (A/V-Anschluß) installier E1 RGB deaktiviert bei nicht-E1/		Ja	Nein Nein
2	ACI aktiviert Träger für Stummschaltung	aktiviert	Ja	Nein Nein
2 3 4 5 6 7	Lautstärke aktiviert Bildneigung Bit 0		Ja	Nein Nein
7	Bildneigung Bit 1 Frei			Nein Nein
	5YS DPT 2 00	000001		
0	Bildneigung Autostart, Verwendung als	Spezialmonitor	Ja i	Nein Nein
26 7	Frei Begrenzte Lautstärke	- p 02.0	Ja	Nein Nein

## Service-Einstellungen über den I2C-Bus

#### Tasten der Fernbedienung im Servicemodus

Wenn sich das Fernsehgerät im Servicemodus befindet, kann ein normales Fernsehrprogramm durch Drücken der Taste TV gewählt werden. Durch Drücken der Taste i gelangen Sie wieder in den Servicemodus. Die Ziffern- und die Pfeiltasten werden für Serviceeinstellungen verwendet. Die Taste-OK speichert die Einstellungen.

Einstellungen für verschiedene Bildformate

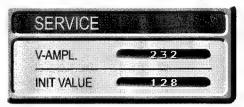
Wenn nicht anders beschrieben, führen Sie sämtliche Einstellungen mit einem PAL-Signal durch. Die Einstellungen für Geräte im 4:3-Format werden im normalen (klassischen) Bildformat 4:3 und die für Geräte im 16:9-Format im breiteren Bildformat 16:9 vorgenommen. Führen Sie dann die nötigen anderen Bildformat- und Signaleinstellungen durch. Die nötigen Einstellungen werden in der Tabelle unten gezeigt.

Hinweis: Überprüfen Sie vor Durchführung der Einstellungen die Konfiguration des Fernsehgerätes und führen Sie nur die nötigen Einstellungen durch.

#### Durchführen der Serviceeinstellung

1. Geben Sie mit den Ziffertasten einen zweistelligen Code ein, der eine Einstellung festlegt (z.B. 04 = Weite, siehe folgende Tabellen) oder wählen Sie eine Einstellung mit den Pfeiltasten (aufwärts/abwärts).

Hinweis: Einstellungen am Netzteil und für UG2 müssen vor den Einstellungen der Bildgeometrie durchgeführt werden.



- Nehmen Sie die Einstellung mit den Cursortasten (links/rechts) vor.
- Speichern Sie den neuen Wert durch Drücken der Taste OK.

#### Hinweis!

- Um unvollständige Einstellungen zu vermeiden, speichern Sie sofort jede Einstellung nachdem diese durchgeführt wurde.
- Wenn eine Einstellung getrennt für verschiedene Bildformate und -Signale durchgeführt werde muß, wählen Sie erst durch Drücken der Taste TV den normalen Fernsehmodus und wählen dann das gewünschte Bildformat und -Signal. Gehen Sie durch Drücken der Taste i in den Servicemodus zurück.

#### Einstellungen der Bildgeometrie

Um die Einstellung der Bildgeometrie bei laufendem Fernsehbild zu erleichtern, erscheint an der Ablenkfläche des Bildes ein roter Rand, der mit der Taste RET ein- und ausgeblendet werden kann.

Einstellungen der Bildgeometrie

Einstellung	Code	Name im Display	4:3 klassisch / 16:9 weit	Schrittweises Abtasten 50 Hz	VGA 60 Hz	VGA70 Hz	Hinweis!
Vertikale Amplitude	00	V-AMPL.	X	x	X	Х	
Vertikale Außermittenverchiebung	01	V-SHIFT	X	X	×	X	
Linearität	02	LINEARITY	x	Х		X	
Vertikale S-Korrektur	03	S-CORR.	x	х		x	
Weite	04	WIDTH	X	X	X	Х	
Horizontale Ablenkungsverschiebung	05	H-SHIFT	x				Stellen Sie die Ablenkung auf die Bildschirmmitte ein (nur bei VGA-
Horizontalphase Video	06	PHASE	X				Geräten). Finden Sie zuerst die Einstellwerte, bei
Horizontale Austastung	07	HOR BLANK	X	1			denen die Austastung über die rote
Parabol	80	PARABOLA		1	X		Fläche zu treten beginnt (links/rechts) und stellen Sie dann die Austastung
Obere Ecken	09	CORNER UP	Х	1	X	Х	auf den Mittelwert dieser Einstellwerte
Zweite obere Ecken	10	CORN 2 UP	1	X			ein.
Untere Ecken	11	CORNER LO	X	Х	Х	Х	
Zweite untere Ecken	12	CORN 2 LO	X	X			
Bogen	13	BOW	X	Х		Х	
Trapez	14	TRAPEZIUM	X	Х		x	VGA 60 Hz = Windows-Modus
Parallelogramm-Verzerrung	15	ANGLE	X	Х		x	VGA 70 Hz = DOS-Modus

## Andere Einstellungen

		Name im	
Einstellung	Code	Display	Hinweis!
Schirmgitterspannung	16	G2	Stellen Sie Ug2 ein, bis das das Display einen Wert von 140 ±20 zeigt.
			Hinweis: Drücken Sie nicht die OK-Taste, wenn nur die Einstellung von Ug2 erforderlich ist.
			lst die Einstellung der Farbtemperatur nötig, beginnen Sie durch Drücken der Taste OK. Dieses stellt die Ursprungswerte der Codes 1419 wieder her und sperrt den Referenzwert (2022) der höchsten Elektronenkanone.
Rotverstärkung	17	R GAIN	<b>-</b>
Grünverstärkung	18	G GAIN	Dieser Vorgang ist nötig, wenn z.B. die Bildröhre oder das CRT-Modul
Blauverstärkung	19	B GAIN	ausgetauscht worden sind. Stellen Sie zuerst die Verstärkungswerte (weiße Fläche auf 80 nit) und dann die Referenzwerte ein (dunkle
Rotreferenz	20	R REF.	Fläche auf 1.5 nit). Überprüfen Sie dann nochmals die
Grünreferenz	21	G REF.	Verstärkungswerte und stellen Sie diese - wenn nötig - erneut ein.
Blaureferenz	22	B REF.	Einstellung: Drücken der Taste RET verändert das Graustufenbild/ externes Bild und Drücken der roten (abwärst) und der gelben Taste (aufwärst) verändert den Kontrastwert.
Einstellung des			
Hilfsträgers	23	SUB- CARRIER	Starten Sie die Einstellung durch Drücken der rechten Pfeiltaste. Drücken Sie die Taste OK zur Speicherung des Wertes (er soll zwischen 29 und 35 liegen).
Hochspannungsbegrenzung	24	EHT PROT	Stellen Sie den Wert so hoch ein, bis das Fernsehbild ausgetastet wird. Gleichzeitig wird der Wert automatisch in 60 Stufen verringert. Drücken Sie anschließend zur Speicherung der Einstellung die Taste OK.

## Variable Einstellungen

Einstellung	Code	Name im Display	Hinweis!
Schwellenwert für Strahlstrombegrenzung	25	BCL THRES	II .ē
Verstärkung für Strahlstrombegrenzung	26	BCL GAIN	e der Bildröhre weise djustments)
Schwellenwert für H/V-Amplitude (EHT-Korrektur)	27	EHT THRES	e der B weise djustm
EHT-Kompensation für Horizontalamplitude	28	EHTH1	1 5 5 6
EHT-Kompensation für Vertikalamplitude	29	EHTV1	andardwe separate H dependant
H-Kompensation bei höheren Strahlströmmen	30	EHTH2	
V-Kompensation bei höheren Strahlströmmen	31	EHTV2	Für Siehe (CRT

## Service-Einstellungen

## O Netzteil

#### Versorgungsspannung und Schutzschaltung

- Stellen Sie die Helligkeit und den Kontrast auf einen normalen Wert ein. Schließen Sie ein Universal-Voltmeter an der Kathode von Do2 an.
- Stellen Sie die Spannung U1 mit Po1 ein. Die Spannung hängt vom Typ der Bilfröhre ab, siehe auch Abschnitt "Variable Bauteile".

#### **Sicherheitsfeatures**

Die Aktivierung des Servicemodus setzt folgende Features außer Kraft:

- Horizontale Sicherheitsfunktion (EHT)
- Überprüfung bei Beginn: Videoprozessor und Ablenkungsprozessor können nicht korrekt initialisieren.

## O Horizontal-Ablenkeinheit

#### Horizontale Linearität

Mit Lk1 einstellen.

#### **Fokussierung**

Stellen Sie Helligkeit und Kontrast auf den normalen Wert ein. Benutzen Sie ein Kreuzschraffurmuster und stellen Sie das Bild auf die optimale Auflösung ein.

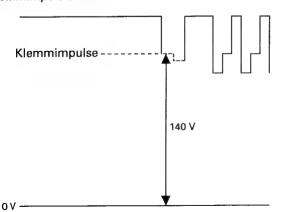
#### (Schirmgitterspannung) Spannung Ug2

Die Spannung Ug2 kann leicht mit Hilfe des Bildschirmanzeige eingestellt werden, siehe Abschnitt "Andere Einstellungen" / Schirmgitterspannung.

#### Einstellung von Ug2 mit dem Oszilloskop

- Stellen Sie Helligkeit und Farbsättigung auf den normalen Wert und den Kontrast auf den kleinsten Wert ein.
- Am Ende des vertikalen Austastens ist ein Schwarzstrom-Meßimpuls (Klemmimpuls) an Pin 9 von ICh1, ICh2 und ICh3. Verwenden Sie ein Oszilloskop und ermitteln Sie die Ausgangsstufe mit der höchsten Grenzspannung (entpricht der höchsten Spannung während des Schwarzstrom-Meßimpulses).
- Stellen Sie die Spannung des Klemmimpulses mit UG2 auf +140 V ein (siehe Abbildung).

Hinweis: Stellen Sie die Spannung mit einem Klemmimpuls ein.

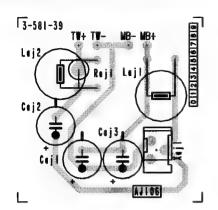


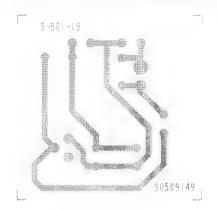
#### Zurücksetzen der Fernbedienung

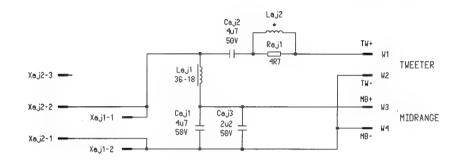
- 1. Entnehmen Sie die Batterien.
- Setzen Sie die Fernbedienung zurück, indem Sie die blaue Taste etwa 10 Sekunden lang drücken. Setzen Sie dann die Batterien wieder ein.



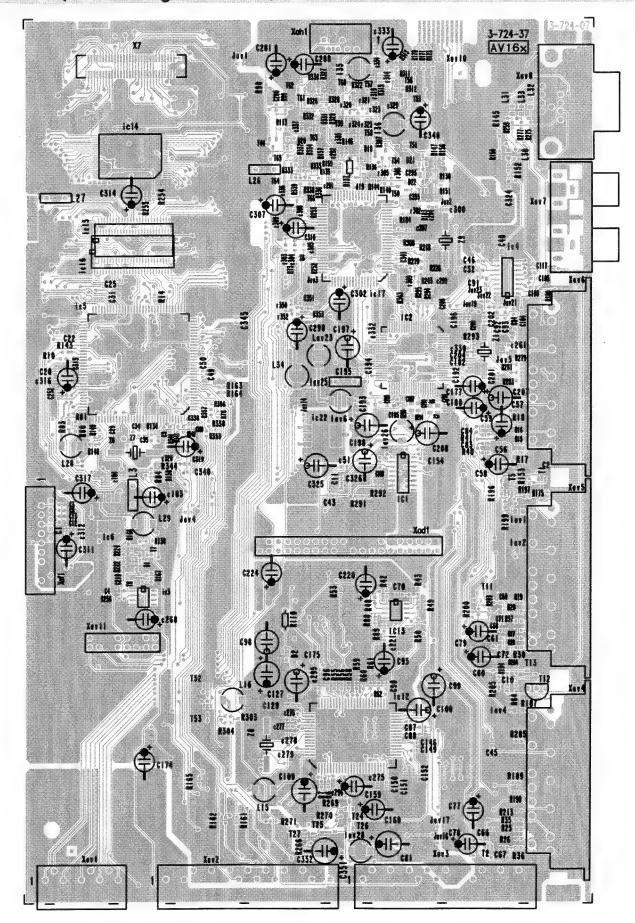
## AJ106 Crossover network module (version 9)

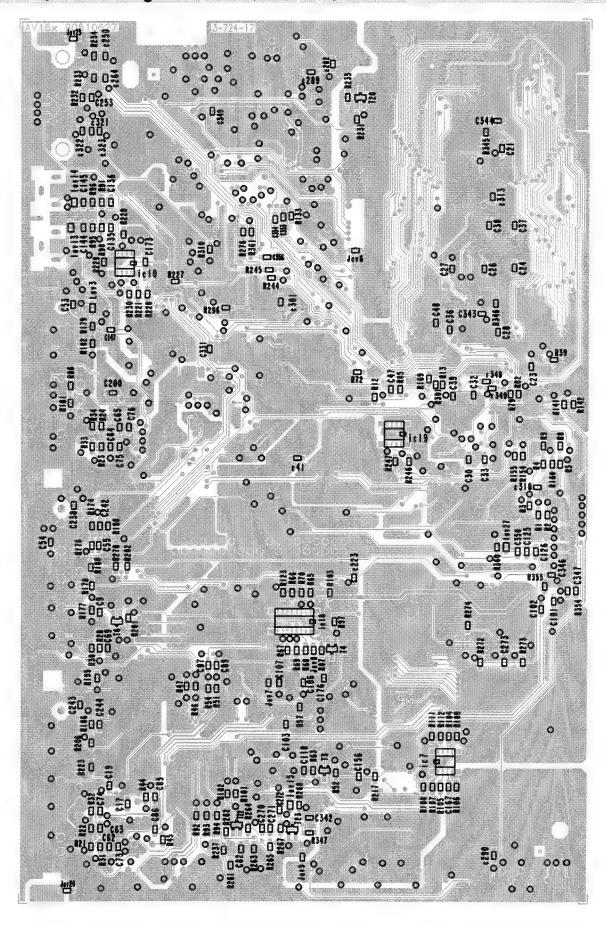




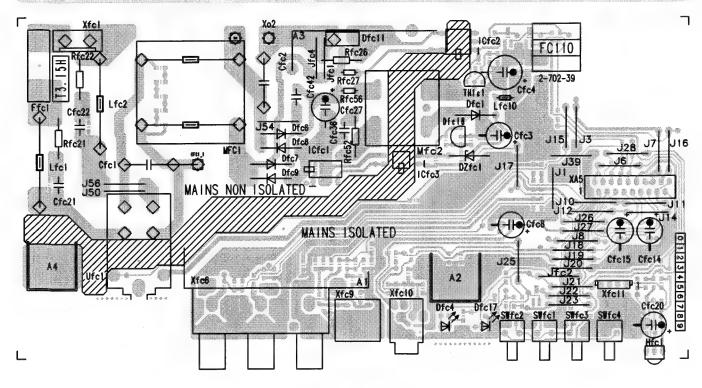


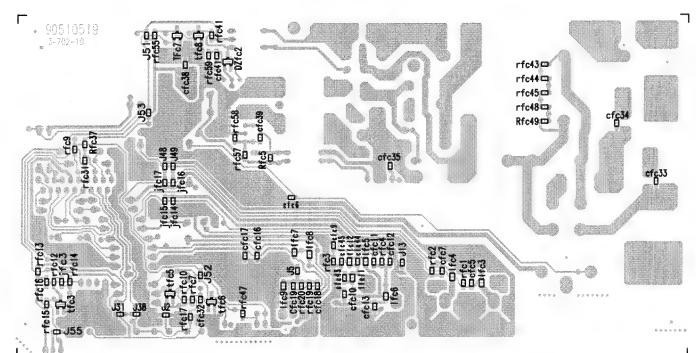
## AV163 / AV165 Signal module (version 7)



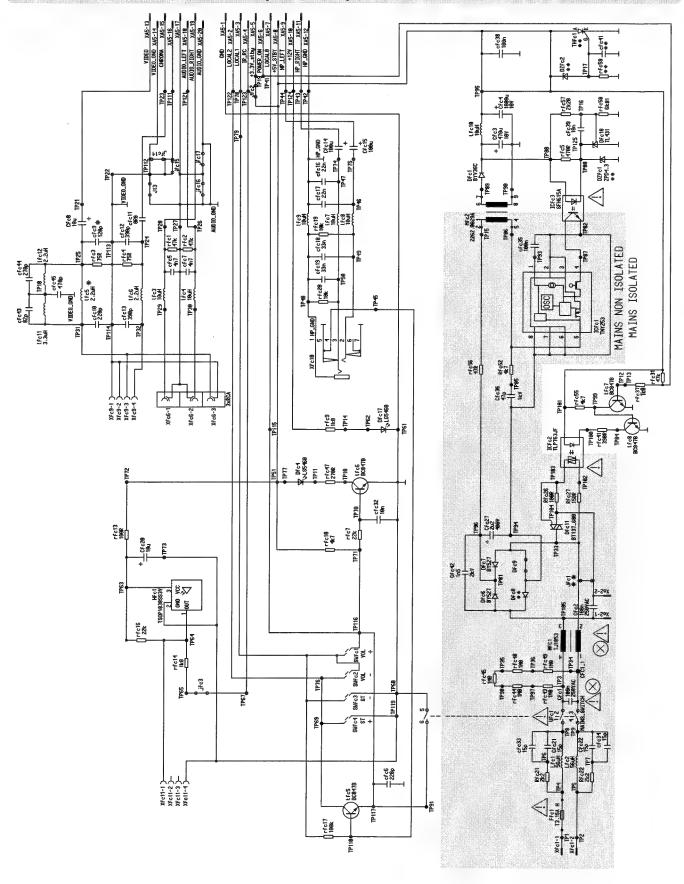


## FC110 Control unit module (version 9)

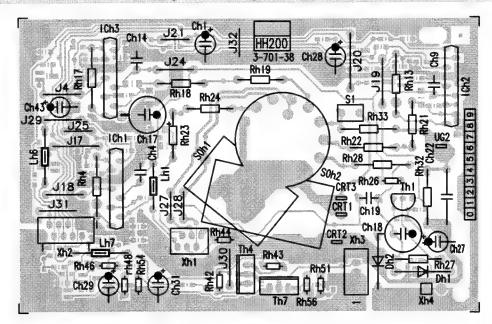


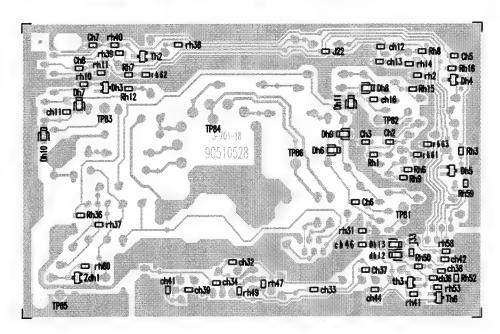


## FC110 Control unit module (version 9)

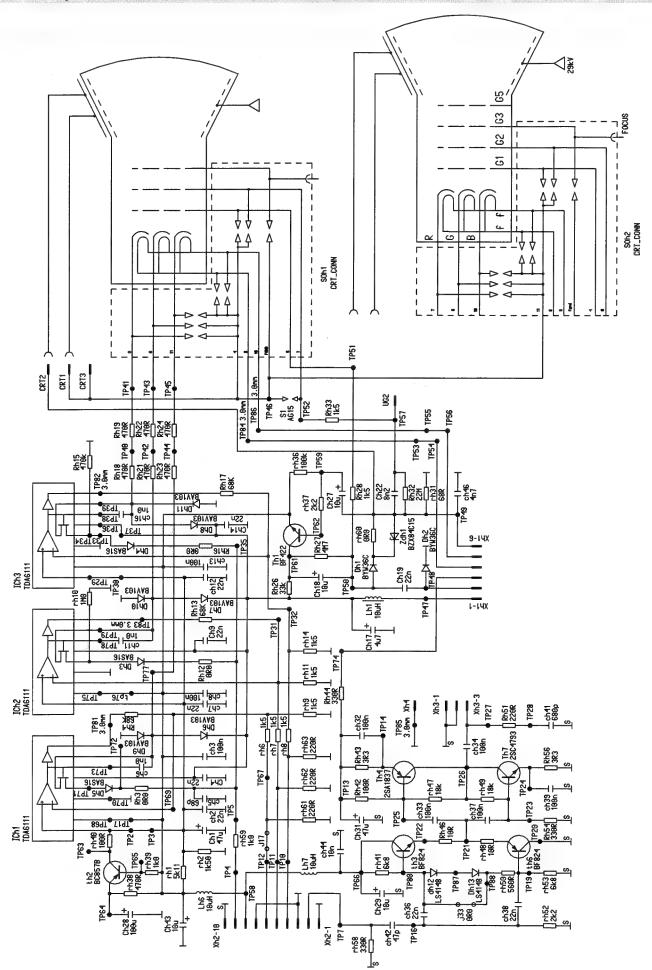


## HH201 / HH203 CRT-module (version 8)

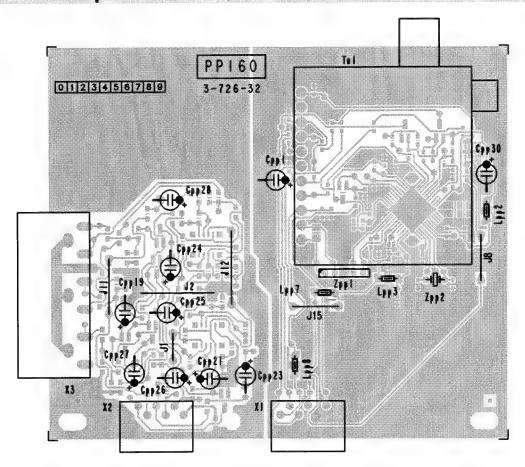


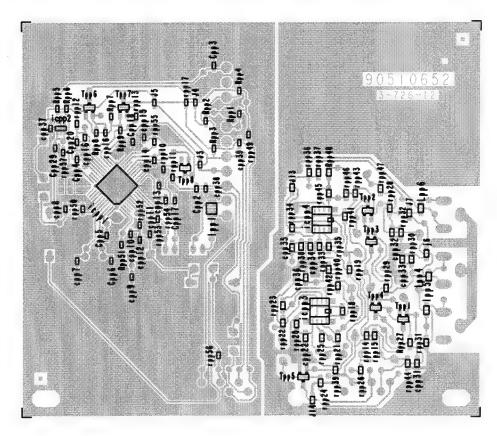


## HH201 / HH203 CRT-module (version 8)

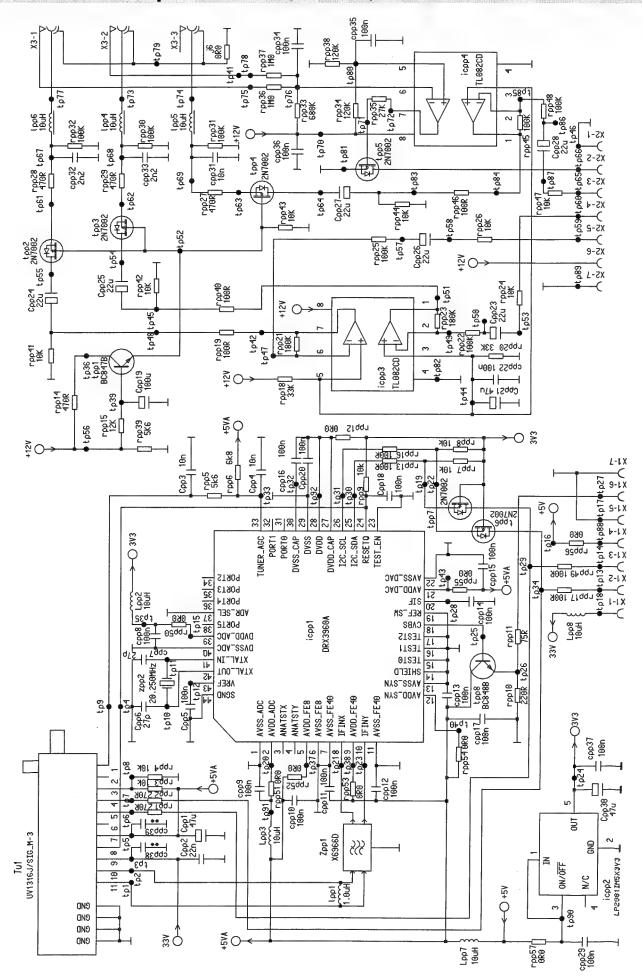


## PP160 Picture in picture module (version 2)





## PP160 Picture in picture module (version 2)



Order no.

31630030

31425832

31425841

31425843

31860006

31860005

31840002

31425802

Description

R SMD 8K2 0W10

R SMD 39K 0W10

R SMD 82K 0W10

R SMD 0R 0W10

R FUS V RD 47R 0W25

R FUS V RD 330R 0W25

R FUS V BLK 100R 10% 1W0

R CARF RAD 8K2 5% 0W25

## Spare parts

## © Ersatzteile

ltem

RK 99

RK

RK

RK

RK

RK

RK

RK 86, 97

101

102

105△

106△

132/1

133

#### Note! Hinweis!

- Safety components in accordance with existing safety regulations. These components must be replaced only with original parts.
- Sicherheitsbauteil im Sinn der Sicherheitsbestimmung. Diese Teile dürfen nur durch Originalteile ersetzt werden.
- Version components
- Röhrenabhängige Bauteile

*	Version componer			RK	133	R SMD 0R 0W10	31425802
*	Röhrenabhängige	Bauteile		RO	1⚠	R PTC BLK Rs=9	04000044
87- <u>1.80</u> 90		STATE OF THE STATE			0.0.00	DUAL FOR DEGAUSSING	31930011
M	ain board	TWARCAA*		RO	2, 3, 60	R SMD 220K 0W10	31490457
600 0 300 000	V 80.23 per - 10.000 Mills	b*4		RO	4, 51	R SMD 180K 0W10	31490012 31425821
lten	1	Description	Order no.	RO	5	R SMD 2K7 0W10	31423621
				RO	6, 16 8	R SMD 24K3 0W10 R SMD 6K8 0W10	31430431
DEC	ICTORC			RO	9	R SMD 18K 0W10	31425813
MES	ISTORS			RO	10, 11, 12, 14	R SMD 1M0 0W10	31425801
				RO	13, 53	R SMD 10K 0W10	31425833
PO	1	R TRIM HOR 2K2 0W1	31110970	RO	15, 17	R SMD 12R 0W10	31490058
RA	2, 23, 24, 25	R SMD 10R 0W10	31425810	RO	18, 35	R SMD 2K2 0W10	31425828
RA	3, 4, 5, 8, 9	R SMD 33K 0W10	31425840	RO	24	R SMD 1K0 0W10	31425820
RA	6	R SMD 560K 0W10	31425896	RO	25	R SMD 150R 0W10	31425812
RA	7	R SMD 680K 0W10	31490059	RO	26	R METF AX 1R500W6053	31421362
RA	10, 16	R SMD 100K 0W10	31425844	RO	28	R CARF BLK 560R 0W50 AX	31650003
RA	11	R SMD 3K9 0W10	31425830	RO	30	R SMD 1K8 0W10	31425827
RA	12, 17	R SMD 47K 0W10	31425836	RO	32∕∆	R METF AX 10M 0W50 HV	31460001
RA	13, 14, 15, 30, 31	R SMD 4K7 0W10	31425824	RO	33	R SMD 820R 0W10	31425819
RA	18∕∆	R METOX BK 1R0 4W0	31430013	RO	38, 39, 40, 41	R SMD 82R 0W10	31425882
RA	19	R SMD 10K 0W10	31425833	RO	43	R SMD 33K 0W10	31425840
RA	20	R SMD 1K5 0W10	31425826	RO	49	R SMD 150K 0W10	31425846
RA	21, 22, 26	R SMD 1K0 0W10	31425820	RO	54	R SMD 5K1 0W10	31490453
RA	27, 28, 29	R SMD 2K2 0W10	31425828	RO	56	R WRLAC BLK 33K 10% 9W0	31350002
RK	0	R CARF AX 18K 5% 0W25	31660040	RO	56-1△, 56-2△,		
RK	1, 44	R SMD 100R 0W10	31425852		59-1△, 59-2△	CONN GRIPLET	
RK	2	R CARF AX 680K 0W25	31660062			FOR 2-SIDED PCB d=1,9mm	41930009
RK		R SMD 2K7 0W10	31425821	RO	58	R SMD 100K 0W10	31425844
RK	4, 52, 53, 59, 61	R SMD 100K 0W10	31425844	RO	59	R WRLAC AX 0R18 2W5	31360046
RK	6	R SMD 2K20 0W10	31490098	RO	61	R SMD 470R 0W10	31425817
RK	7, 11, 84, 107	R SMD 10K 0W10	31425833	RO	62	R CARF AX 2K2 0W25	31548618
RK	8, 96	R CARF RAD 15K 5% 0W25	31630033 31425879	RQ	1	R SMD 22K 0W10	31425837
RK	9	R SMD 430R 0W10 R SMD 3K3 0W10	31425829	RQ	3, 4, 5, 6, 7	R SMD 4K7 0W10	31425824
RK RK	13 15	R SMD 5K1 0W10	31425625	RQ	12	R SMD 330R 0W10	31425857
RK	16	R SMD 15K 0W10	31425835	RQ	14	R SMD 470R 0W10	31425817
RK	18	R SMD 150R 0W10	31425812	RQ	16	R SMD 1K0 0W10	31425820
RK	20	R SMD 10R 0W10	31425810	RS	1, 19	R SMD 2K2 0W10	31425828
RK	221, 1081,	II GIVID TOTT GVV TO	01420010	RS	2	R SMD 1K5 0W10	31425826
111	1104	R FUS V RAD 2R2 5% 0W25	31860003	RS	3	R METF RAD 1R54 1% 0W6	31450012
RK	23, 25	JUMPER R=15,0 mm	85700150	RS	4	R SMD 270K 0W10	31425805
RK				RS	5, 8	R METF RAD 2R15 0W60	31430281
	25-1△, 25-2△,			RS	6	R SMD 4K7 0W10 R SMD 15K 0W10	31425824 31425835
	66-1△, 66-2△	CONN GRIPLET		RS RS	7 9	R CARF RAD 68R 5% 0W25	31630042
	,	FOR 2-SIDED PCB d=1,9mm	41930009	RS	10, 11	R SMD 12R 0W10	31490058
RK	30∕∆	HK-RESISTOR 120R 5%	13100232	RS	20	R CARF RAD 33R 5% 0W25	31630022
RK	31, 33, 38, 39, 42	R SMD 2K00 0W10	31490003	RS	21	R SMD 10K 0W10	31425833
RK	32, 49, 91	R SMD 1K0 0W10	31425820	RS	22	R SMD 47K 0W10	31425836
	46, 47	R SMD 820R 0W10	31425819	RS	23	R SMD 12K1 0W10	31490051
RK	48	R SMD 470R 0W10	31425817	RS	24, 27	R SMD 5K11 0W10	31490454
RK	50	R METOX BK 0R47 1W5	31430011	RS	25, 26	R SMD 6K8 0W10	31425831
RK	51, 82, 100	R SMD 2K2 0W10	31425828	RS	29	R SMD 18K 0W10	31425813
RK	54	R SMD 4K7 0W10	31425824	RS	30	R SMD 0R 0W10	31425802
RK	55∆	R CARF RAD 0R22 5% 0W25	31514506	110	50	TO ONLE OTT OVE TO	0.120002
RK	58	R METOX BK 0R33 1W5	31430010				
RK	62	R CARF AX 27R 5% 0W25	31660007		ACITODO	_ _	
RK	63⚠, 68⚠	R FUS V RD 0R1 0W40	31850059	CAP	ACITORS	- -	
RK	64∕∆	R FUS V RAD 27R 5% 0W25	31860001				
RK	65, 67	R CARF RAD 6K8 5% 0W25	31630029	CA	1, 2	C (M)KT RAD 220N 63V	33127108
RK	66∕∆	R FUS V AX 0R47 5% 0W5	31850004	l .	3, 6, 11, 12, 13	C CER2 SMD 100N 25V	32190001
RK	69	R SMD 1M0 0W10	31425801	l .	4, 14, 17	C ECAP RAD 22U 35V	34540021
RK	70, 77	R CARF RAD 100K 5% 0W25	31630037	CA	5	C ECAP RAD 1U0 63V	34540022
RK	72△,73△	R FUS V AX 3R0 0W50	31850007		7	C (M)KT RAD 470N 63V	33124503
RK	75.⚠	R CARF AX 1R5 5% 0W5	31630014	CA		C CER1 SMD 1N0 50V	32125545
RK	76∕∆	R FUS V AX 2R2 0W50	31850056	CA	10	C CER2 SMD 150N 16V	32525899
RK	81	R CARF AX 39K 0W25	31660054	CA	15, 19	C CER2 SMD 100N 50V	32536223
KK	83∕∆	R FUS V BLK 390R 10% 1W0	31850002	CA	18, 20	C ECAP BLK 3300U 35V	34510009

lten	1	Description	Order no.	Item	Description	Order no.
CA	21, 22, 23	C CER2 SMD 22N 50V	32536221	CO 36	C ECAP BLK 220U 250V HV	34610007
CA	24, 25	C ECAP BLK 470U 35V	34220648	CO 43	C ECAP BLK 1000U 16V	34510004
				1		
CA	29	C ECAP BLK 1000U 35V	34220554	CO 45	C ECAP RAD 10U 63V	34540025
CK	1	C CER1 SMD 220P 50V	32125513	CO 49	C CER2 SMD 10N 50V	32536213
CK	2, 41	C CER2 SMD 10N 50V	32536213	CO 58, 59, 64	C ECAP RAD 100U 16V	34223252
CK	3, 6	C ECAP RAD 220U 25V	34229784	CO 69	C (M)KP BLK 33N 1KV	33460016
CK	4	C (M)KT RAD 1U5 63V	33120948	CQ 2	C CER1 SMD 1N0 50V	32125545
CK	5	C (M)KT RAD 100N 63V	33127106	CQ 4	C ECAP RAD 10U 63V	34540025
CK	9	C CER1 SMD 56P 50V	32125526	CQ 5, 6	C CER2 SMD 100N 25V	32190001
CK	10, 28	C (M)KT RAD 220N 63V	33127108	CQ 10	C ECAP RAD 100U 16V	34223252
CK	*	- • •				
	12	C ECAP RAD 100U 16V	34223252	CS 1	C (M)KT RAD 100N 63V	33127106
CK	13	C CER1 SMD 330P 50V	32125517	CS 2, 6	C CER2 SMD 100N 25V	32190001
CK	14	C ECAP RAD 47U 63V	34540053	CS 3	C (M)KT BLK 47N 100V	33380019
CK	15	C ECAP BLK 2200U 25V	34510005	CS 4	C (M)KP RAD 10N 250V	33450057
CK	16	C (M)KT RAD 22N 400V	33150965	CS 5	C (M)KT RAD 470N 63V	33127123
CK	17△, 23△	C (M)KC BLK 330N 250V	33660001	CS 7	C ECAP RAD 47U 63V	34540053
CK	18, 24	C (M)KP BLK 470P H 1K6V	33460011	CS 8, 10	C CER2 SMD 10N 50V	32536213
CK	19	C ECAP BLK 4U7 250V HV	34610001	CS 9	C CER2 SMD 22N 50V	32536221
CK	20			CS 11, 12		
		C (M)KT BLK 100N 250V	33360003	CS 11, 12	C CER2 SMD 4N7 50V	32536210
CK	21	C CER2/3 RAD 2N2 20% 500V	32780003		C CER2 SMD 220N 16V	32525900
CK	22	C CER2/3 RAD 330P 10% 500V	32780002		C CER2 SMD 1N0 50V	32535901
CK	25	C (M)KP BLK 15N H 100V	33460003			
CK	26∕Λ	C (M)KP BLK 11N5 3,5 1K6V	33460019		. •	
Ck	26-1 <u></u>	CONN GRIPLET		TRANSISTORS	$\mathcal{T}_{\mathcal{A}}$	
		FOR 2-SIDED PCB d=1,9mm	41930009	THANGIOTONIO	$\Phi$	
CK	27.⚠	C (M)KP BLK 30N 3,5% 630V	33450064			
			33430004	TA 1, 2, 4, 5	TR NPN SMD BC847B 45V	36145312
CK	27-11, 27-21	CONN GRIPLET	44000000	TA 3	TR PNP SMD BC857B 45V	36145412
		FOR 2-SIDED PCB d=1,9mm	41930009			
CK	29∕∆	C (M)KP BLK 680N 160V	33460004	TK 1, 2, 4, 9	TR PNP SMD BC857B 45V	36145412
CK	<b>29-1⚠</b> , <b>29-2⚠</b>	CONN GRIPLET		TK 3	TR NPN PWR BLK	
		FOR 2-SIDED PCB d=1,9mm	41930009		2SD2012 60V 3A	36270004
CK	30, 44	C (M)KT RAD 470N 63V	33127123	TK 3, 12	HEATSINK SPRING	79400021
CK	30-1△, 30-2△,			TK 6, 19, 25	TR NPN SMD BC847B 45V	36145312
	36-2△, 36-1△,			TK 8	TR NPN RAD BC637 60V 1A	36220003
	32-1 <u>A</u> , 32-2 <u>A</u> ,			TK 10	N-FET PWR BLK	
					BUK457-400B 400V 11A	36370003
	33-1△, 33-2△,			TK 11, 15	TR NPN RAD BF422 250V	36125217
	<b>17-1</b> △, <b>17-2</b> △,					30123217
	18-1 <b>∆</b> , 18-2 <b>∆</b> ,			TK 12	TR NPN PWR BLK	
	23-1△, 23-2△,				BU2525AF 1K5V 12A	36270003
	24-1 <u>1</u> , 24-2 <u>1</u>	CONN GRIPLET		TK 13	TR PNP RAD BC327-25 45V	36147109
	•	FOR 2-SIDED PCB d=1,9mm	41930009	TK 14	TR NPN RAD BC337-25 45V	36147138
CK	31-1△, 31-2△,			TO 1	N-FET BLK	
0.1	34-1△, 34-2V	CONN GRIPLET			STP7NC70Z 700V 6,8A	36370018
	34-1211, 34-2 V		41020000	TO 1	INSULATOR FOIL	
014		FOR 2-SIDED PCB d=1,9mm	41930009		FOR 247 1k5V	49000088
CK	32	C (M)KP BLK 82N 400V	33450077	TO 1		
	34∕∆	PROPKO 300n 5% 250V	22171302	TO 1	HEATSINK SPRING	79400021
CK	36	C (M)KP BLK 1N0 1K6V	33460028	TO 1-2, 1-3	CONN GRIPLET	
CK	37, 42	C CER2 SMD 100N 25V	32190001		FOR 2-SIDED PCB d=1,9mm	41930009
CK	38, 39	C ECAP RAD 47U 35V	34229781	TQ 1	TR NPN SMD BC847B 45V	36145312
CO	1△, 4△	C CER2/3 BLK 1N0 20%		TS 1, 3	TR NPN SMD BC847B 45V	36145312
-	1221 722	400VAC Y	32610922	TS 5, 6, 7, 8,		
CO	2 A			9, 10, 2, 4	TR PNP SMD BC857B 45V	36145412
	21	C (M)KT BLK 220N 400V	33360002	0, 10, 2, 1	11(1)(1) 01(1) 000070 407	00140112
CO	5, 10, 14, 48	C CER1 SMD 1N0 50V	32125545			
CO	6	C CER1 SMD 56P 50V	32125526		<b>5.1</b>	
CO	<b>7-1</b> ⚠, <b>7-2</b> ⚠	CONN GRIPLET		DIODES	<del></del>	
		FOR 2-SIDED PCB d=1,9mm	41930009		• •	
CO	8	C (M)KP RAD 1N0 H 100V	33622914			
CO	9	C CER2 SMD 3N3 50V	32536207	DA 1	DI SMD LS4148 75V 200mA	3649 0002
CO	11	C CER1 SMD 330P 50V	32125517	DK 1, 2, 3, 5, 6, 21	DI SMD LS4148 75V 200mA	3649 0002
co		C CERT SIVID 3301 90V	32 1233 17	DK 9, 12	DI RECT PWR AX	• • • •
CO	12, 50, 51, 52,	0.0500.010.40011.0514		J. ( ),	BYV36C 600V 1,6A	3657 5452
	55, 56, 63, 65	C CER2 SMD 100N 25V	32190001	DK 11 14 10 20	-	300/ 3432
CO	13	C ECAP RAD 47U 63V	34540053	DK 11, 14, 19, 20	DI RECT PWR AX	005- 5050
CO	19	C ECAP BLK 220U 450V HV	34540102	<b>B</b> 14 44	1N4937 600V 1,0A	3657 5353
CO	20	C (M)KT RAD 1U0 63V	33124758	DK 13	DI AX RECT	
CO	21	C (M)KP BLK 220P 1K6V	33460009		BYT56J 600V 1,5A	3624 <b>0</b> 001
CO	22	C (M)KT BLK 10N 630V	33380023	DK 15	DI RECT PWR AX	
CO			00000020		BYV26C 600V 1,0A	3661 0005
	23/1	C CER2/3 BLK 1N5 20%	22060000	DK 16	DI BK RECT BYM357X	,
00	0.4	400VAC Y	32960002	-11	DAMPER+MODULATOR22	3662 1564
CO	24	C CER2/3 RAD 330P 10%		DK 16		
		500V Y	32780002	DK 16	HEATSINK SPRING	7940 <b>0</b> 021
CO	25, 26	C CER2/3 RAD 1N0 10%		DK 16-1≜, 16-2≜,		
		500V Y	32780004	16-3∕∆	CONN GRIPLET	
CO	29, 54	C (M)KT BLK 100N 250V	33360003		FOR 2-SIDED PCB d=1,9mm	4193 <b>©</b> 0009
CO	31	C ECAP BLK 2200U 35V	34226678	DO 1, 3, 4, 6	DI RECT PWR AX	
CO	32	C ECAP BLK 1000U 35V	34510010		BY527 1K25V 2A	3661 <b>Ø</b> 001
CO		C (M)KT RAD 100N 63V	33127106			
-	33, 33, 40, 41, 42	C DAILET LIVED TOOLS 02A	5512/100 I			

Item	Description	Order no.	Item	Description	Order no.
DO 1-1⚠,1-2⚠, 2-1 <u></u> , 2-2⚠,			TRK 3	TRAFO AT4043/67A FOR DYN. FOCUS	45380018
3-1⚠, 3-2⚠, 4-1⚠, 4-2⚠,			TRK 3-1⚠,3-3॒. 3-4⚠,3-6⚠,		
6-1△, 6-2△	CONN GRIPLET	41930009	5-1 <u>/</u> , 5-3 <u>/</u> , 5-4 <u>/</u> , 5-6 <u>/</u>	CONN GRIPLET	
DO 2	FOR 2-SIDED PCB d=1,9mm DI AX RECT UF5408 1K0V 3,0/	A 36621568		FOR 2-SIDED PCB d=1,9mm	41930009
DO 2 DO 7-1 <u>↑</u> ,7-2 <u>↑</u>	DIODE COOLING PLATE CONN GRIPLET	81402597	TRO 2⚠ TRO 2-10⚠, 2-19⚠,	MAINS TRAFO 2322.0019B	45320063
	FOR 2-SIDED PCB d=1,9mm DI SMD LS4148 75V 200mA	41930009 36490002	2-21△, 2-22△	CONN GRIPLET FOR 2-SIDED PCB d=1,9mm	41930009
DO 9, 21 DO 14	DI SMD BAS20 150V 200mA	36560320		FOR 2-SIDED FCB d=1,9111111	41930003
DO 16-1△, 16-2△, 22-1△, 22-2△,			COILS	.m.	
26-11, 26-21	CONN GRIPLET FOR 2-SIDED PCB d=1,9mm	41930009	COILS		
DO 17, 18	DI RECT AX BYW98 200V 3A	36575470	TRK 5⚠	COIL BLK RAD 68uH 15% E/W	
DO 19 DO 26	IC VREF TL431CLP DI AX SCHT SB560 60V 5,0A	37410012 36420005	LK 1 LK 1-1⚠, 1-2⚠	COIL LIN BLK EKM12-136 CONN GRIPLET	45161283
DO 27	DI RECT PWR AX BA158 600V 0,5A	36561010	LK 1-3 <u>/</u> , 1-4/ <u>/</u> ,	FOR 2-SIDED PCB d=1,9mm	41930009
DO 27-1 <u>A</u> , 27-2 <u>A</u>	CONN GRIPLET		2-1 <u>/</u> , 2-2 <u>/</u> , 5-1 <u>/</u> , 5-2 <u>/</u> ,		
DS 1	FOR 2-SIDED PCB d=1,9mm DI SMD LS4148 75V 200mA	41930009 36490002	6-1 <u>/</u> /, 6-2 <u>/</u> /	CONN GRIPLET	
			LK 2	FOR 2-SIDED PCB d=1,9mm COIL BLK 280uH FJ1311	41930009 45610004
ZENERS	<del></del>		LK 3	COIL BLK 1,9mH 14R DRM0630192010K-01	45610018
			LK 4	EMI SUPPRES BEAD 3,5x9	45620007
ZDA 2 ZDK 1	Z DIODE SMD BZX84A 12V Z DIODE AX BZX55B 18V	36770019 36770008	LK 5 LK 6	COIL BLK 47uH 7% 1,7A RAD COIL BLK 33uH 7% 1,9A RAD	45620035 45620037
ZDK 3, 10 ZDK 4	Z DIODE SMD BZX84B 12V Z DIODE SMD BZX84C 51V	36780008 36770035	LK 7 LO 3, 14, 15, 16	COIL BLK 33mH 5780301100 EMI SUPPRES BEAD 3,5x9	45610022 45620007
ZDK 5, 11	Z DIODE SMD BZX84C 2V4	36780005	LO 5, 7	COIL BLK 10uH 1200mA RAD	45571699
ZD0 1, 11 ZD0 1	Z DIODE SMD BZX84B 12V Z DIODE SMD BZX84B 30V	36780008 36770033	LO 10 LO 13 <u>/</u>	COIL AX 10uH 1200mA COIL BLK 43mH 1,2A 250V	45571698 45390025
			LO 13-2A, 13-3A, 13-7A, 13-10A,		
INTEGRATED CIRCUITS	<b></b>		13-12 <u>/</u> 1, 14-1 <u>/</u> 1, 14-2 <u>/</u> 1, 15-1 <u>/</u> 1,		
ICA 1 2	IC AUDIO TDA2616 12+12W	37631259	15-2△, 17-1△,		
ICA 1, 2 ICA 1, 2	HEATSINK SPRING	79400021	17-3⚠, 17-4 <b>Љ,</b> 17-6∆, 17-7 <u>Љ</u> ,		
1CO 1 ICO 3∆\	IC PWR CONT TDA16846 IC OPTO COUPL SFH615A-2	37450019 36950009	17-12⚠	CONN GRIPLET FOR 2-SIDED PCB d=1,9mm	41930009
ICO 5 ICO 5, 8, 11	IC V-REG PQ05RH11 5V 1,5A HEATSINK SPRING	37460008 79400021	LQ 1	COIL BLK 10uH 1200mA RAD	45571699
ICO 8	IC V-REG PQ3RD13 3V3 1,0A	37460033			
ICO 11 ICS 1	IC V-REG L7812CV 12V 1,5A IC DEFL	37681748	OTHERS	<del>-</del> O-	
ICS 1	TDA8354Q/N1I/N1E S1 HEATSINK SPRING	37450017 79400021	HCK 17_1-1	A CONN GRIPLET	
				FOR 2-SIDED PCB d=1,9mm	41930009
FUSES	<del></del>		HCK 29-1△, 29_1-1△	FOR 2-SIDED PCB d=1,9mm	41930009
			HCK 34-1 <u>/</u>	CONN GRIPLET FOR 2-SIDED PCB d=1,9mm	41930009
FO 1 <u>/</u> FO 1-1 <i>/</i> _, 1-2 <i>/</i> _	FUSE F2,5A MINIATURE D=8,9 CONN GRIPLET	5 43770004	HXKT 1-1 $ riangle$ , 2-1 $ riangle$ , 3-1 $ riangle$ , 4-1 $ riangle$ ,		
	FOR 2-SIDED PCB d=1,9mm	41930009	7-1△, 8-1△,		
FO 2♠,7♠,8♠	FUSE T2,0A MINIATURE D=8,	J 457 / 0009	9-1∕∆	CONN GRIPLET FOR 2-SIDED PCB d=1,9mm	41930009
TRANSFORMERS	I		J 4, 45, 54, 61, 89, 121, 131, 137,		
	JL		138, 151, 166,		
TRK 1 TRK 2/1	TRAFO 545 01 204 00 DST TRAFO 1372,8016A	45380013 45360089	173, 185, 193, 195, 200, 211,		
TRK 2-5△, 2-7△,	DOT TIME O 13/2,0010M	-1000000	219, 324, 327, 329, 331, 332	JUMPER R=15,0 mm	85700150
2-9⚠, 2-10⚠, 2-13⚠	CONN GRIPLET		J 6, 8, 55, 73, 81,	.,.	
TRK 2-16△, 2-1△,	FOR 2-SIDED PCB d=1,9mm	41930009	92, 113, 114, 123, 139, 140,		
2-2⚠	CONN GRIPLET	41020000	169, 188, 191, 213, 216, 338	JUMPER R=17,5 mm	85700175
	FOR 2-SIDED PCB d=1,9mm	41930009			

Item		Description	Order no.	Item	Description	Order no.
J	12, 19, 21, 22,			Main board	TNBRAAA*	
	23, 25, 39, 40, 41, 42, 43, 44,					
	50, 57, 60, 71,			RESISTORS	<b>←</b>	
	76, 83, 84, 96,					
	158, 161, 167, 180, 187, 204,			PK 1∕∆	R POT FOCUS 59M 2W0	31280010
	207, 218, 302,			PO 1	R TRIM HOR 2K2 0W1	31110970
	306, 311, 312,			RA 13, 14, 30, 31	R SMD 4K7 0W10	31425824
	313, 315, 317, 318, 339	JUMPER R=12,5 mm	85700125	RA 18 <u>/</u>   RA 19	R METOX BK 1R0 4W0 R SMD 10K 0W10	31430013 31425833
J	15, 49, 51, 53,	30Wii ER N=12,3 min	03700123	RA 22	R SMD 1K0 0W10	31425833
	67, 68, 74, 75,			RA 24, 25	R SMD 10R 0W10	31425810
	77, 98, 124, 134, 148, 164, 178,			RA 27, 28 RK 0	R SMD 2K2 0W10 R CARF AX 150K 5% 0W25	31425828 31660032
	181, 186, 199,			RK 1, 44	R SMD 100R 0W10	31425852
	201, 217, 304,			RK 3, 5, 10,		
J	330, 342 33, 301, 319,	JUMPER R=20,0 mm	85700200	12, 56, 57 RK 4, 52, 53, 59, 61	R SMD 2K7 0W10 R SMD 100K 0W10	31425821 31425844
Ü	335, 340, 341, 344	R SMD 0R 0W10	31425802	RK 5	R SMD 2K20 0W10	31490098
J	93, 100, 103,			RK 7, 11, 84, 133	R SMD 10K 0W10	31425833
	108, 142, 146,			RK 8 RK 9	R CARF RAD 15K 5% 0W25 R SMD 430R 0W10	31630033 31425879
	147, 163, 179, 194, 206, 208,			RK 13	R SMD 3K3 0W10	31425829
	210, 212, 215,			RK 15	R SMD 5K1 0W10	31490453
	303, 305, 308 145	JUMPER R=10,0 mm JUMPER R=11,25 mm	85700100 85701125	RK 16 RK 18	R SMD 15K 0W10	31425835
J j	194-1 <u>↑</u> , 194-2 <u>↑</u> ,	30MFER R=11,25 IIIII	03/01123	RK 20	R SMD 150R 0W10 R SMD 10R 0W10	31425812 31425810
	195-1 <u>↑</u> , 195-2 <u>↑</u> ,			RK 22 <u>/</u>	R FUS V RAD 2R2 5% 0W25	31860003
	200-1\(\text{\Lambda}\), 200-2\(\text{\Lambda}\), 202-2\(\text{\Lambda}\),			RK 23, 25 RK 23-1\(\triangle\), 23-2\(\triangle\),	JUMPER R=15,0 mm	85700150
	315-1\(\text{\Lambda}\), 315-2\(\text{\Lambda}\)	CONN GRIPLET		25-1\(\text{\Lambda}\), 25-2\(\text{\Lambda}\),		
		FOR 2-SIDED PCB d=1,9mm	41930009	66-1△, 66-2△	CONN GRIPLET	
JØ J	307, 314, 328 10	JUMPER R= 7,5 mm R SMD 0R 0W10	85700075 31425802	RK 30∕∆	FOR 2-SIDED PCB d=1.9mm	41930009
TU	10	TUNER FQ1216ME/I V-3	58231067	NK 30/11	HK-RESISTOR 120R 5%LCR0207	13100232
XA	1	<b>ROW CONN 3-PIN VERT</b>	73190603	RK 31, 33, 38, 39, 42	R SMD 2K00 0W10	31490003
XA XAV	2	ROW CONN 4-PIN VERT	73190604	RK 32, 49	R SMD 1K0 0W10	31425820
XAV		CONN ROW 9-PIN VERT CONN ROW 19-PIN VERT	41710068 41710073	RK 46,47   RK 48	R SMD 820R 0W10 R SMD 470R 0W10	31425819 31425817
XK	3	ROW CONN 5-PIN VERT	41710001	RK 50	R METOX BK 0R47 1W5	31430011
XK	3-1⚠, 3-2⚠,			RK 51, 82	R SMD 2K2 0W10	31425828
	3-3⚠, 3-4⚠, 3-5ڝ, 7-1⚠,			RK 54 RK 55∕∆	R SMD 4K7 0W10 R CARF RAD 0R22 5% 0W25	31425824 315 <b>1</b> 4506
	7-2⚠	CONN GRIPLET		RK 58	R METOX BK 0R33 1W5	31430010
VV		FOR 2-SIDED PCB d=1,9mm	41930009	RK 62	R CARF AX 27R 5% 0W25	31660007
XK XKT		CONN HEADER 6-PIN PITCH BLADE CONN 2,8MM	41710002	RK 63⚠,68⚠ RK 64⚠	R FUS V RD 0R1 0W40 R FUS V RAD 27R 5% 0W25	31850059 31860001
	•	FOR PCB MALE	41930001	RK 65, 67	R CARF RAD 6K8 5% 0W25	31630029
XO	1	ROW CONN 2-PIN VERT LOCK	73184750	RK 66△	R FUS V AX 0R47 5% 0W5	31850004
хо	1-1, 1-2	CONN GRIPLET FOR 2-SIDED PCB d=1.9mm	41930009	RK 69 RK 70,77	R SMD 1M0 0W10 R CARF RAD 100K 5% 0W25	31425801 31630037
XO	3	CONN ROW 2-PIN VERT	41710212	RK 72⚠,73⚠	R FUS V AX 3R0 0W50	31850007
XS	1	ROW CONN 3-PIN VERT	73190603	RK 75.⚠	R CARF AX 1R5 5% 0W5	31630014
XS XT	2 1, 2	ROW CONN 4-PIN VERT CONN ROW 7-PIN VERT	73190604 41710077	RK 76.∕∆ RK 81	R FUS V AX 2R2 0W50 R CARF AX 39K 0W25	31850056 31660054
,,,	.,_	INS SLEEVE FOR		RK 83.∕∆	R FUS V BLK 390R 10% 1W0	31850002
		CONN BLADE 2,8mm	47310004	RO 1∆	R PTC BLK Rs=9	
		ANTENNA CABLE ASSY 200mm RCA/IEC	47780009	RO 2, 3, 60	DUAL FOR DEGAUSSING R SMD 220K 0W10	31930011 31490457
	$\triangle$	CABLE ANODE A113817	47700005	RO 4, 51	R SMD 180K 0W10	31490012
		630mm+CHIMNEY CAP	96008869	RO 5	R SMD 2K7 0W10	3142 5821
	<u>^</u>	FOCUS CABLE 410mm FOCUS CABLE 1,2 410MM	96010220 96010230	RO 6, 16 RO 8	R SMD 24K3 0W10 R SMD 6K8 0W10	31490451 31425831
	<u>∧</u>	SCREEN CABLE 460mm	96010230	RO 9	R SMD 18K 0W10	3142 5813
				RO 10, 11, 12, 14	R SMD 1M0 0W10	3142 5801
				RO 13, 53 RO 15, 17	R SMD 10K 0W10 R SMD 12R 0W10	3142 5833 3149 0058
				RO 18, 35	R SMD 12K 0W10	31490058
				RO 24	R SMD 1K0 0W10	3142 5820
				RO 25 RO 26	R SMD 150R 0W10	3142 5812
				RO 28	R METF AX 1R500W6053 R CARF BLK 560R 0W50 AX	3142 1362 3165 0003
				RO 30	R SMD 1K8 0W10	3142 5827
				RO 32.∕∆ RO 33	R METF AX 10M 0W50 HV	31460001
			l	RO 33	R SMD 820R 0W10	31425819

Item	Description	Order no.	Item	Description	Order no.
RO 38, 39, 40, 41	R SMD 82R 0W10	31425882	CK 31-1∆,31-2∆,		
RO 43	R SMD 33K 0W10	31425840	34-1⚠, 34-2⚠	CONN GRIPLET	
RO 49	R SMD 150K 0W10	31425846		FOR 2-SIDED PCB d=1.9mm	41930009
RO 54	R SMD 5K1 0W10	31490453	CK 32⚠, 33⚠	C (M)KP BLK 56N 400V	33450061
RO 56	R WRLAC BLK 33K 10% 9W0	31350002	CK 34 <u>/</u>	PROPKO 300n 5%	
RO 56-1 <u></u>				250V MKP10	22171302
59-1 <u></u>	CONN GRIPLET		CK 36-1∆, 36-2∆,		
	FOR 2-SIDED PCB d=1.9mm	41930009	32-1△, 32-2△,		
RO 58	R SMD 100K 0W10	31425844	33-1∆, 33-2∆,		
RO 59	R WRLAC AX 0R18 2W5	31360046	17-1△, 17-2△,		
RO 61	R SMD 470R 0W10	31425817	18-1△, 18-2△,		
RO 62	R CARF AX 2K2 0W25	31548618	23-1⚠, 23-2⚠,		
RQ 1	R SMD 22K 0W10	31425837	24-1△, 24-2△	CONN GRIPLET	
RQ 3, 4, 5, 6, 7	R SMD 4K7 0W10	31425824		FOR 2-SIDED PCB d=1.9mm	41930009
RQ 12	R SMD 330R 0W10	31425857	CO 1∆,4∆	C CER2/3 BLK 1N0 20%	
RQ 14	R SMD 470R 0W10	31425817		400VAC Y	32610922
RQ 16	R SMD 1K0 0W10	31425820	CO 2 <u>∧</u>	C (M)KT BLK 220N 400V	33360002
RS 1	R SMD 2K2 0W10	31425828	CO 5, 10, 14, 48	C CER1 SMD 1N0 50V	32125545
RS 2	R SMD 1K5 0W10	31425826	CO 5	C CER1 SMD 56P 50V	32125526
RS 3	R METF RAD 1R54 1% 0W6	31450012	CO 7-1△,7-2△	CONN GRIPLET	44000000
RS 4	R SMD 270K 0W10	31425805		FOR 2-SIDED PCB d=1.9mm	41930009
RS 5, 8	R METF RAD 1R10 0W60	31450013	CO 8	C (M)KP RAD 1N0 H 100V	33622914
RS 9	R CARF RAD 27R 5% 0W25	31630021	CO 9	C CER2 SMD 3N3 50V	32536207
RS 10, 11	R SMD 12R 0W10	31490058	CO 11	C CER1 SMD 330P 50V	32125517
RS 13, 14, 15	R CARF RAD 820R 5% 0W25	31630044	CO 12, 50, 51, 52,	C CER2 SMD 100N 25V	22400004
RS 21	R SMD 10K 0W10	31425833	55, 56, 63, 65		32190001
RS 22	R SMD 47K 0W10	31425836	CO 13	C ECAP RAD 47U 63V	34540053
RS 23	R SMD 12K1 0W10	31490051	CO 19	C ECAP BLK 220U 450V HV	34540102 33124758
RS 24, 27	R SMD 5K11 0W10	31490454	CO 20	C (M)KT RAD 1U0 63V	
RS 25, 26	R SMD 6K8 0W10	31425831	CO 21 CO 22	C (M)KP BLK 220P 1K6V	33460009
				C (M)KT BLK 10N 630V	33380023
	D .		CO 23 <u>/</u> A	C CER2/3 BLK 1N5 20%	22060002
CAPACITORS	$\dashv\vdash$		00 24	400VAC Y	32960002
			CO 24	C CER2/3 RAD 330P	22700002
04 4 6	O (TANKE DAD COOM COM	00407400	60 05 06	10% 500V Y	32780002
CA 1, 2	C (M)KT RAD 220N 63V	33127108	CO 25, 26	C CER2/3 RAD 1N0	22790004
CA 8, 9	C CER1 SMD 1N0 50V	32125545	CO 20 E4	10% 500V Y	32780004
CA 13	C CER2 SMD 100N 25V	32190001	CO 29, 54 CO 31	C (M)KT BLK 100N 250V C ECAP BLK 2200U 35V	33360003 34226678
CA 17	C ECAP RAD 22U 35V	34540021	CO 31	C ECAP BLK 22000 35V	34510010
CA 18, 20	C ECAP BLK 3300U 35V	34510009	1		33127106
CA 19	C CER2 SMD 100N 50V	32536223	CO 33, 39, 40, 41, 42 CO 36	C ECAP BLK 220U 250V HV	34610007
CA 21, 22	C CER2 SMD 22N 50V	32536221	CO 36	C ECAP BLK 2200 250V HV	34510007
CA 24, 25	C ECAP BLK 470U 35V	34220648	CO 45	C ECAP BER 10000 16V	34540025
CK 1 CK 2,41	C CER1 SMD 220P 50V C CER2 SMD 10N 50V	32125513 32536213	CO 49	C CER2 SMD 10N 50V	32536213
•			CO 58, 59, 64	C ECAP RAD 100U 16V	34223252
CK 3, 6 CK 4	C ECAP RAD 220U 25V C (M)KT RAD 1U5 63V	34229784 33120948	CO 69	C (M)KP BLK 33N 1KV	33460016
	C (M)KT RAD 103 63V	33120348	CQ 2	C CER1 SMD 1N0 50V	32125545
	C CER1 SMD 56P 50V	32125526	CQ 4	C ECAP RAD 10U 63V	34540025
				C CER2 SMD 1000 35V	32190001
CK 10, 28 CK 12	C (M)KT RAD 220N 63V C ECAP RAD 100U 16V	33127108 34223252	CQ 5, 6 CQ 10	C ECAP RAD 100U 16V	34223252
	C CER1 SMD 330P 50V	32125517	CS 1	C (M)KT RAD 1000 16V	33127106
CK 13 CK 14	C ECAP RAD 47U 63V	34540053	CS 3	C (M)KT BLK 47N 100V	33380019
CK 14 CK 15	C ECAP BLK 2200U 25V	34510005	CS 4	C (M)KP RAD 10N 250V	33450057
CK 16	C (M)KT RAD 22N 400V	33150965	CS 5	C (M)KT RAD 470N 63V	33127123
CK 17△, 23△	C (M)KC BLK 330N 250V	33660001	CS 6	C CER2 SMD 100N 25V	32190001
CK 17/11, 23/11 CK 18	C (M)KP BLK 820P 1K5V	33450039	CS 7	C ECAP RAD 47U 63V	34540053
CK 18 CK 19	C ECAP BLK 4U7 250V HV	34610001	CS 7 CS 8, 10	C CER2 SMD 10N 50V	32536213
CK 20	C (M)KT BLK 100N 250V	33360003	CS 11, 12	C CER2 SMD 4N7 50V	32536210
CK 20 CK 21	C CER2/3 RAD 2N2 20% 500V	32780003	00 11, 12	C CEITZ SINID 4147 50V	02000210
CK 21	C CER2/3 RAD 2N2 20% 300V	52700003			
OK 44	10% 500V Y	32780002	TRANSISTORS	$   \sqrt{\chi} $	
CK 24	C (M)KP BLK 470P H 1K6V	33460011	INMINIOIOIONO	$\Psi$	
CK 25	C (M)KP BLK 15N H 100V	33460003			
CK 26/∆	C (M)KP BLK 10N 1K6V	33450037	TA 5	TR NPN SMD BC847B 45V	36145312
CK 26-1A, 26-2A	CONN GRIPLET	50 100007	TK 1, 2, 4, 9	TR PNP SMD BC857B 45V	36145412
217 20 122, 20 222	FOR 2-SIDED PCB d=1.9mm	41930009	TK 3	TR NPN PWR BLK	
CK 27. <u>↑</u>	C (M)KP BLK 30N 3,5% 630V	33450064		2SD2012 60V 3A	36270004
CK 27-1△, 27-2△	CONN GRIPLET	32 .2000 /	TK 3, 12	HEATSINK SPRING	79400021
212 21 122/21 222	FOR 2-SIDED PCB d=1.9mm	41930009	TK 6, 25	TR NPN SMD BC847B 45V	36145312
CK 29 <i>△</i>	C (M)KP BLK 560N 250V	33460021	TK 8	TR NPN RAD BC637 60V 1A	36220003
Ck 29-1△, 29-2△	CONN GRIPLET		TK 10	N-FET PWR BLK	
20 122/20 222	FOR 2-SIDED PCB d=1.9mm	41930009		BUK457-400B 400V 11A	36370003
CK 30, 44	C (M)KT RAD 470N 63V	33127123	TK 11	TR NPN RAD BF422 250V	36125217
CK 30-1△, 30-2△	CONN GRIPLET		TK 12	TR NPN PWR BLK	
			i	DITOTOTAT AICTLANA	0007000
	FOR 2-SIDED PCB d=1.9mm	41930009		BU2525AF 1K5V 12A	36270003

item TO 1	Description N-FET BLK STP7NC70Z	Order no.	Item	Description	Order no.
TO 1	700V 6.8A INSULATOR FOIL	36370018	FUSES	<del></del>	
TO 1 TO 1-2∆,1-3∆	FOR 247 1k5V HEATSINK SPRING CONN GRIPLET	49000088 79400021	FO 1⚠ FO 1-1⚠, 1-2⚠	FUSE F2.5A MINIATURE CONN GRIPLET	43770004
TQ 1 TS 5, 6, 7, 8, 9, 10	FOR 2-SIDED PCB d=1.9mm TR NPN SMD BC847B 45V TR PNP SMD BC857B 45V	41930009 36145312 36145412	FO 2♠,7♠,8♠	FOR 2-SIDED PCB d=1.9mm FUSE T2.0A MINIATURE	41930009 43770005
DIODES	<b>-</b> ▶↓-		TRANSFORMERS	<b>]</b> [	
	1		TRK 1	TRAFO 545 01 204 00	45380013
DK 2, 3, 5, 6 DK 9, 12	DI SMD LS4148 75V 200mA DI RECT PWR AX	36490002	TRK 2A TRK 2-5A, 2-7A,	DST TRAFO 1372.9018	45360083
DK 11, 14	BYV36C 600V 1.6A DI RECT PWR AX	36575452	2-9⚠, 2-10⚠, 2-13⚠	CONN GRIPLET	
DK 13	1N4937 600V 1.0A DI AX RECT BYT56J 600V 1.5A	36575353 A 36240001	TRK 2-16A, 2-1A,	FOR 2-SIDED PCB d=1.9mm	41930009
DK 15	DI RECT PWR AX BYV26C 600V 1.0A	36610005	2-2⚠	CONN GRIPLET FOR 2-SIDED PCB d=1.9mm	41930009
DK 16	DI BK RECT BYM357X DAMPER+MODULATOR	36621564	TRK 3-1\(\text{\Lambda}\), 3-3V, 3-4\(\text{\Lambda}\), 3-6\(\text{\Lambda}\),		
DK 16 DK 16-11, 16-21,	HEATSINK SPRING	79400021	5-1 <u>A</u> , 5-3 <u>A</u> , 5-4 <u>A</u> , 5-6 <u>A</u>	CONN GRIPLET	
16-3/1	CONN GRIPLET FOR 2-SIDED PCB d=1.9mm	41930009	TRO 2⚠	FOR 2-SIDED PCB d=1.9mm MAINS TRAFO 2322.0030	41930009 45320069
DO 1, 3, 4, 6	DI RECT PWR AX BY527 1K25V 2A	36610001	TRO 2-10\(\Delta\), 2-19\(\Delta\), 2-22\(\Delta\)	CONN GRIPLET	
DO 2 DO 7-1 <u>/</u> ^, <b>7-2</b> / <u>^</u>	DI AX RECT UF5408 1K0V 3.0A CONN GRIPLET	A 36621568		FOR 2-SIDED PCB d=1.9mm	41930009
DO 9, 21 DO 14	FOR 2-SIDED PCB d=1.9mm DI SMD LS4148 75V 200mA DI SMD BAS20 150V 200mA	41930009 36490002 36560320	COILS	<u>~</u>	
DO 16-1 \( \times, 16-2\times, \) 22-1 \( \times, 22-2\times, \) 26-1 \( \times, 26-2\times, \) 27-1 \( \times, 27-2\times, \) 1-1 \( \times, 1-2\times, \) 2-1 \( \times, 2-2\times, \)			TRK 5A LK 1 LK 1-1A, 1-2A LK 1-3A, 1-4A,	COIL BLK RAD 68uH 15% E/W COIL LIN BLK EKM12-136 CONN GRIPLET FOR 2-SIDED PCB d=1.9mm	45380024 45161283 41930009
3-1A, 3-2A, 4-1A, 4-2A, 6-1A, 6-2A DO 17, 18 DO 19 DO 26 DO 27	CONN GRIPLET FOR 2-SIDED PCB d=1.9mm DI RECT AX BYW98 200V 3A IC VREF TL431CLP DI AX SCHT SB560 60V 5.0A DI RECT PWR AX BA158 600V 0.5A DI SMD LS4148 75V 200mA	41930009 36575470 37410012 36420005 36561010 36490002	2-1A, 2-2A, 5-1A, 5-2A, 6-1A, 6-2A LK 2 LK 3 LK 4 LK 5, 6 LO 3, 14, 15, 16 LO 5, 7 LO 10	CONN GRIPLET FOR 2-SIDED PCB d=1.9mm COIL BLK 280uH FJ1311 COIL BLK 1.9mH 14R DRM0630192010K-01 EMI SUPPRES BEAD 3.5x9 COIL BLK 47uH 7% 1.7A RAD EMI SUPPRES BEAD 3.5x9 COIL BLK 10uH 1200mA RAD COIL AX 10uH 1200mA	41930009 45610004 45610018 45620007 45620035 45620007 45571699 45571698
ZENERS	<b></b>		LO 13 <sup>1</sup> / <sub>4</sub> , 13-3 <sup>1</sup> / <sub>4</sub> ,	COIL BLK 43mH 1.2A 250V	45390025
ZDK 4 ZDK 5, 11 ZDK 10, 3 ZDO 1, 11 ZDQ 1	Z DIODE SMD BZX84C 51V Z DIODE SMD BZX84C 2V4 Z DIODE SMD BZX84B 12V Z DIODE SMD BZX84B 12V Z DIODE SMD BZX84B 30V	36770035 36780005 36780008 36780008 36770033	13-7\(\textit{\Lambda}\), 13-10\(\textit{\Lambda}\), 13-10\(\textit{\Lambda}\), 13-12\(\textit{\Lambda}\), 14-1\(\textit{\Lambda}\), 15-2\(\textit{\Lambda}\), 17-1\(\textit{\Lambda}\), 17-3\(\textit{\Lambda}\), 17-4\(\textit{\Lambda}\), 17-12\(\textit{\Lambda}\),	CONN GRIPLET	
INTEGRATED CIRCUITS	<u></u>		LQ 1	FOR 2-SIDED PCB d=1.9mm COIL BLK 10uH 1200mA RAD	4193 0009 4557 1699
ICA 2 ICA 2	IC AUDIO TDA2616 12+12W HEATSINK SPRING	37631259 79400021	OTHERS	-(0-	
ICO 1 ICO 3∆ ICO 5 ICO 5,8,11	IC PWR CONT TDA16846 IC OPTO COUPL SFH615A-2 IC V-REG PQ05RH11 5V 1.5A HEATSINK SPRING	37450019 36950009 37460008 79400021	HCK 17_1-1A, 23_1-1A	FOR 2-SIDED PCB d=1.9mm	4193 0009
ICO 8 ICO 11	IC V-REG PQ3RD13 3V3 1.0A IC V-REG L7812CV 12V 1.5A	37460033 37681748	HCK 34-1/A	FOR 2-SIDED PCB d=1.9mm CONN GRIPLET	4193 0009
ICS 1 ICS 1	IC DEFL TDA8354Q/N1I/N1E ST HEATSINK SPRING		77013 0-7-1/23	FOR 2-SIDED PCB d=1.9mm	4193 <b>0</b> 009

3-1△, 4-1△, 7-1△, 8-1△, 9-1△ CONN GRIPLET △ CABLE AND	Order no. .IP FOCUS 3mm 54041366
9-1△ CONN GRIPLET △ CABLE AND	IP ANODE 4mm 54041417
	DDE FOR n+CHIMNEY CAP 96008868
121, 131, 137, A SCREEN CA	BLE 1,2 410MM 96010230 BLE 460mm 96010244 CCABLE 280MM 96011091
219, 300, 324, 327, 329, 331, AV163 Signal modu	ile*
J 6, 8, 55, 73, 81,	, e., e., e., e., de de de la composition della
92, 113, 114, 123, 139, 140, 169, 188, 191,	<b>-</b>
213, 216, 338	
76, 63, 84, 96, 158, 161, 167, 180, 187, 204, 207, 218, 302, R SMD 1001 R 8, 9, 97, 230 R SMD 47K	
306, 311, 312, 315, 317, 318, 339	OW10 31490656
J 15, 49, 51, 53, 67, 68, 74, 75, 77, 98, 124, 134. 142, 178, 181, 220, 272, 273, 278 R SMD 10K	0W10 31425833
77, 98, 124, 134, 148, 164, 178, 181, 186, 199, R 15, 16, 19, 20,	
201, 217, 304, 330, 342 JUMPER R=20,0 mm 85700200 R 17, 18, 29, 30,	C 0W10 31490664
J 33, 301, 335, 340, 341, 344 R SMD 0R 0W10 31425802 200, 302 R SMD 4701 J 93, 100, 103, R 21, 22, 23, 24,	R 0W10 31490634
108, 142, 146, 147, 163, 179, 194, 206, 208, 28, 65, 66, 67, 68, 69, 70, 221 R SMD 1001 R 31, 32, 33, 34,	< 0W10 31425844
210, 212, 215, 303, 305, 308	
J 145 JUMPER R=11,25 mm 85701125   R 39 R SMD 8K2 J 194-1♠, 194-2♠, 195-1♠, 195-2♠, 64, 158, 167, 173,	31423632
200-1♠, 200-2♠, 202-1♠, 202-2♠, 315-1♠, 315-2♠ CONN GRIPLET 194, 197, 254, 307 R SMD 2201 R 44, 45, 46, 47, 51, 54, 79, 92,	R 0W10 31490630
FOR 2-SIDED PCB d=1.9mm 41930009 93, 94, 101, 102,  J 307, 314, 328 JUMPER R= 7,5 mm 85700075 141, 217, 228,  JK 1 JUMPER R=12,5 mm 85700125 229, 244, 245,	
JQ     10     R SMD 0R 0W10     31425802     246, 247, 296     R SMD 1001       TU     1     TUNER FQ1216ME/I V-3     58231067     R 48, 49, 50, 53     R SMD 2201	
XA 2 ROW CONN 4-PIN VERT 73190604 R 55, 56, 58, 59, XAV 1 CONN ROW 9-PIN VERT 41710068 60, 61, 62 R SMD 1MC	
XAV 2, 3 CONN ROW 19-PIN VERT 41710073 R 57 R SMD 1MC XK 3 ROW CONN 5-PIN VERT 41710001 R 72, 301, 310 R SMD 0R C	W10 31425802
XK 3-1\(\triangle\), 3-2\(\triangle\), 3-3\(\triangle\), 3-4\(\triangle\), 3-5\(\triangle\), 7-1\(\triangle\), 261, 262 R SMD 2K2	
3-5A, 7-1A, 261, 262 R SMD 2K2 7-2A CONN GRIPLET R 88, 89, 269, 271 R SMD 33K FOR 2-SIDED PCB d=1.9mm 41930009 R 95, 96, 103,	
XK 6 CONN HEADER 6-PIN PITCH 41710002 106, 109, 123 R SMD 33K XKT 1 BLADE CONN 2.8MM R 99 R SMD 1K8	
FOR PCB MALE 41930001 R 107, 112 R SMD 68K XO 1 ROW CONN 2-PIN VERT LOCK 73184750 R 108, 111 R SMD 47R	
FOR 2-SIDED PCB d=1.9mm 41930009 R 113 R SMD 3K9	
XO 3 CONN ROW 2-PIN VERT 41710212 R 130 R NTC SMD XS 1 ROW CONN 3-PIN VERT 73190603 R 134, 175, 180, CONN ROW 7 RIN VERT 41710077	33k 31910002
XT 1, 2 CONN ROW 7-PIN VERT 41710077 187, 213, 279, INS SLEEVE 281, 283, 285 R SMD 75R FOR CONN BLADE 2.8mm 47310004 R 135, 306 R SMD 270F	
ANTENNA CABLE ASSY R 136, 270 R SMD 18K	

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	n	Description	Order no.	Item	1	Description	Order no.
R	138, 303, 304	R SMD 4K7 0W10	31490648	С	40, 45, 46, 52,		
R	140, 150, 153,	11 01110 410 011 10	01100010	"	91, 92, 93, 94,		
	243, 256, 290	R SMD 1K0 0W10	31490639		105, 108, 117,		
R	143, 159, 189,			ŀ	338, 339, 340	C CER2 SMD 47N 16V	32200113
	292, 315, 322,			С	41, 71, 72, 73,		
	330, 337	R SMD 2K2 0W10	31490644		74, 75, 76, 89,		
R	145, 152, 218,				97, 101, 102, 106,		
	219, 226, 259,				107, 135, 136	C CER2 SMD 330N 16V	32525901
	275, 277, 293,	D CAAD OB HILAD	04.400000	C		C CER2 SMD 1N0 50V	32536203
В	295, 351, 352	R SMD OR - JUMP	31490600	С	51, 56, 57, 66,		
R R	146	R SMD 68K 0W10	31490662		67, 68, 87, 88,		
R	147 151, 166	R SMD 6K8 0W10 R SMD 27K 0W10	31490650 31490657		146, 149, 150, 151, 152, 201		
R	154, 155	R SMD 3K3 0W10	31425829		151, 152, 291, 296, 297, 308	C CER2 SMD 1N0 50V	32790023
R	156, 163, 164,	11 31412 313 044 10	31423023	С	53, 54, 55, 62,	C CLI12 SIMB 1140 SOV	32790023
• • • • • • • • • • • • • • • • • • • •	165, 183, 190,				63, 64, 65, 156,		
	199, 204, 252,			ļ		C CER1 SMD 390P 50V	32145428
		R SMD 10K 0W10	31490652	С	58, 59, 77,		
R	160, 231	R SMD 22K 0W10	31425837		78, 79, 80	C ECAP RAD 22U 35V	34540021
R	174, 176, 177,			C	60, 61, 261	C CER2 SMD 390P 50V	32200068
	179, 182, 186,			С	81, 109, 127,		
	206, 223, 232,				348, 352	C ECAP RAD 100U 25V	34540020
	233, 234	R SMD 75R 0W10	31425861	C	95	C ECAP RAD 3U3 63V	34540029
R	196, 203, 205	R SMD 56K 0W10	31490661	C	98, 99, 100, 175,		
R	198, 201, 202,				177, 180, 197,		
_	237, 360	R SMD 220R 0W10	31425815		198, 207, 208,		
R	214, 255, 266	R SMD 330R 0W10	31490632		268, 288, 311,	0.5045.545.4011.0014	0.45.40005
R	227	R SMD 560R 0W10	31425818			C ECAP RAD 10U 63V C CER1 SMD 47P 50V	34540025
R R	235 263	R SMD 4K7 0W10 R SMD 430R 0W10	31425824 31425879	C	103, 272 118, 144, 145,	C CERT SIVID 47F 50V	32125508
R	265	R SMD 910R 0W10	31425883	~	250, 253, 264,		
R	267	R SMD 390R 0W10	31425816		282, 289, 290,		
Ř	268	R SMD 300R 0W10	31425856		334, 342, 346,		
R	274	R SMD 82R 0W10	31425882		347, 349	C CER2 SMD 10N 50V	32536213
R	276	R SMD 330R 0W10	31425857	С	125	C CER1 SMD 150P 50V	32125511
R	305	R SMD 27R 0W10	31490618	С	159, 160, 298, 302	C ECAP RAD 1U0 100V HV	34229675
R	311, 325, 331, 338	R SMD 390R 0W10	31490633	С	174, 183, 220,		
R	313, 323, 329, 336	R SMD 22R 0W10	31490617		224, 281, 307,		
R	314	R SMD 33R 0W10	31490619		314, 315, 319	C ECAP RAD 47U 50V	34540028
R	320, 321, 326,			C	252	C CER1 SMD 10P 50V	32200030
_	328, 333, 335	R SMD 39R 0W10	31490620	С	270	C CER1 SMD 82P 50V	32125531
R	343	EMI FERRITE BEAD		С	276, 277, 295	C CER1 SMD 47P 50V	32200046
		SMD 470R/100MHz 150mA	46900003		27Q 27Q	C CER1 SMD 3P3 50V	32200018
_	045 040 045		4000000	C	278, 279		
R.	345, 346, 347	EMI FERRITE BEAD		С	292, 330, 332, 355	C CER1 SMD 100P 50V	32200054
R	345, 346, 347		46900004	C	292, 330, 332, 355 293	C CER1 SMD 100P 50V C CER2 SMD 470N 16V	322O0054 325 <b>2</b> 5903
R	345, 346, 347	EMI FERRITE BEAD		CCC	292, 330, 332, 355 293 299, 300	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V	322O0054 32525903 322O0040
		EMI FERRITE BEAD		0000	292, 330, 332, 355 293 299, 300 310	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V	32200054 32525903 32200040 34229578
	345, 346, 347 ACITORS	EMI FERRITE BEAD		00000	292, 330, 332, 355 293 299, 300 310 331	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V	32200054 32525903 32200040 34229578 32125515
		EMI FERRITE BEAD		0000	292, 330, 332, 355 293 299, 300 310 331 350	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V	32200054 32525903 32200040 34229578
		EMI FERRITE BEAD		000000	292, 330, 332, 355 293 299, 300 310 331	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V	32200054 32525903 32200040 34229578 32125515 32125516
CAPA	ACITORS	EMI FERRITE BEAD		000000	292, 330, 332, 355 293 299, 300 310 331 350	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V	32200054 32525903 32200040 34229578 32125515 32125516
CAPA	ACITORS 1, 2, 5, 11, 20,	EMI FERRITE BEAD		0000000	292, 330, 332, 355 293 299, 300 310 331 350	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V	32200054 32525903 32200040 34229578 32125515 32125516
CAPA	ACITORS 1, 2, 5, 11, 20, 22, 25, 29, 31,	EMI FERRITE BEAD		0000000	292, 330, 332, 355 293 299, 300 310 331 350 353, 354	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V	32200054 32525903 32200040 34229578 32125515 32125516
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184,	EMI FERRITE BEAD		CCCCCTRAN	292, 330, 332, 355 293 299, 300 310 331 350 353, 354	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V	32200054 32525903 32200040 34229578 32125515 32125516
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191,	EMI FERRITE BEAD		000000	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>NSISTORS</b>	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V	32200054 32525903 32200040 34229578 32125515 32125516 32536210
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194,	EMI FERRITE BEAD		C C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>NSISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V	32200054 32525903 32200040 34229578 32125515 32125516
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199,	EMI FERRITE BEAD		CCCCCTRAN	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>NSISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11,	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V	32200054 32525903 32200040 34229578 32125515 32125516 32536210
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209,	EMI FERRITE BEAD		C C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>INSISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23,	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V	32200054 32525903 32200040 34229578 32125515 32125516 32536210
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280,	EMI FERRITE BEAD		C C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 NSISTORS 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27,	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V	32200054 32525903 32200040 34229578 32125515 32125516 32536210
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312,	EMI FERRITE BEAD		C C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>INSISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56,	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V	32200054 32525903 32200040 34229578 32125515 32125516 32536210
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329,	EMI FERRITE BEAD		C C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>INSISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63,	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V	32200054 32525903 32200040 34229578 32125515 32125516 32536210
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337,	EMI FERRITE BEAD SMD 600R/100MHz 200mA	46900004	C C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>NSISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63,	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V	32200054 32525903 32200040 34229578 32125515 32125516 32536210
<b>CAPA</b>	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351	EMI FERRITE BEAD SMD 600R/100MHz 200mA  —	46900004 32200117	C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>ISISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V  TR NPN SMD BC847B 45V	32200054 32525903 32200040 34229578 32125515 32125516 32536210 36145412
CAPA	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337,	EMI FERRITE BEAD SMD 600R/100MHz 200mA	46900004	C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>ISISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V	32200054 32525903 32200040 34229578 32125515 32125516 32536210 36145412
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84,	EMI FERRITE BEAD SMD 600R/100MHz 200mA  —	46900004 32200117	C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>ISISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD	32200054 32525903 32200040 34229578 32125516 32125516 32536210 36145412
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305	EMI FERRITE BEAD SMD 600R/100MHz 200mA	32200117 32200062	C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354 <b>ISISTORS</b> 1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD	32200054 32525903 32200040 34229578 32125516 32125516 32536210 36145412
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305 6, 7, 147, 187, 190 9, 21, 23, 24, 26,	EMI FERRITE BEAD SMD 600R/100MHz 200mA	32200117 32200062 32200102	C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354  ISISTORS  1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12 52, 53	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD	32200054 32525903 32200040 34229578 32125516 32125516 32536210 36145412
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 164, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305 6, 7, 147, 187, 190 9, 21, 23, 24, 26, 27, 28, 32, 36,	EMI FERRITE BEAD SMD 600R/100MHz 200mA	32200117 32200062 32200102	C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354  ISISTORS  1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12 52, 53	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD	32200054 32525903 32200040 34229578 32125516 32125516 32536210 36145412
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305 6, 7, 147, 187, 190 9, 21, 23, 24, 26, 27, 28, 32, 36, 37, 38, 39, 48,	EMI FERRITE BEAD SMD 600R/100MHz 200mA	32200117 32200062 32200102	C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354  ISISTORS  1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12 52, 53	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER1 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD 2N7002 60V 180mA	32200054 32525903 32200040 34229578 32125516 32125516 32536210 36145412
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305 6, 7, 147, 187, 190 9, 21, 23, 24, 26, 27, 28, 32, 36, 37, 38, 39, 48, 82, 167, 173,	EMI FERRITE BEAD SMD 600R/100MHz 200mA	32200117 32200062 32200102	C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354  ISISTORS  1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12 52, 53  ES	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD 2N7002 60V 180mA  DIODE SMD BAV70	32200054 32525903 32200040 34229578 32125515 32125516 32536210 36145412 36145412 3614 6424 3638 0002
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305 6, 7, 147, 187, 190 9, 21, 23, 24, 26, 27, 28, 32, 36, 37, 38, 39, 48, 82, 167, 173, 176, 200, 223,	C CER2 SMD 100N 16V C CER1 SMD 220P 50V C CER2 SMD 10N 50V C CER2 SMD 1U0 10V	32200117 32200062 32200102 32525907	C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354  ISISTORS  1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12 52, 53  ES	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD 2N7002 60V 180mA  DIODE SMD BAV70 70V 215mA	32200054 32525903 32200040 34229578 32125515 32125516 32536210 36145412
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305 6, 7, 147, 187, 190 9, 21, 23, 24, 26, 27, 28, 32, 36, 37, 38, 39, 48, 82, 167, 173, 176, 200, 223, 273, 313, 318	EMI FERRITE BEAD SMD 600R/100MHz 200mA	32200117 32200062 32200102 32525907	C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354  ISISTORS  1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12 52, 53  ES  1 18, 19, 20, 22	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD 2N7002 60V 180mA  DIODE SMD BAV70 70V 215mA DIODE SMD BAS16	32200054 32525903 32200040 34229578 32125515 32125516 32536210 36145412 36145412 36146424 36380002
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305 6, 7, 147, 187, 190 9, 21, 23, 24, 26, 27, 28, 32, 36, 37, 38, 39, 48, 82, 167, 173, 176, 200, 223, 273, 313, 318 10, 201, 202	C CER2 SMD 100N 16V C CER2 SMD 220P 50V C CER2 SMD 10N 50V C CER2 SMD 1U0 10V	32200117 32200062 32200102 32525907 32190001 32200038	C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354  ISISTORS  1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12 52, 53  ES  1 18, 19, 20, 22	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD 2N7002 60V 180mA  DIODE SMD BAV70 70V 215mA	32200054 32525903 32200040 34229578 32125515 32125516 32536210 36145412 36145412 36146424 36380002
CAPA C	1, 2, 5, 11, 20, 22, 25, 29, 31, 34, 35, 49, 50, 70, 90, 96, 104, 154, 182, 184, 185, 188, 191, 192, 193, 194, 195, 196, 199, 204, 206, 209, 221, 275, 280, 294, 309, 312, 316, 320, 329, 335, 336, 337, 345, 351 3, 8, 12, 13, 210 4, 43, 83, 84, 129, 303, 304, 305 6, 7, 147, 187, 190 9, 21, 23, 24, 26, 27, 28, 32, 36, 37, 38, 39, 48, 82, 167, 173, 176, 200, 223, 273, 313, 318	EMI FERRITE BEAD SMD 600R/100MHz 200mA	32200117 32200062 32200102 32525907	C C C C C C TRAM	292, 330, 332, 355 293 299, 300 310 331 350 353, 354  ISISTORS  1, 2, 6, 44, 54, 57, 60, 62, 65 3, 4, 5, 7, 8, 11, 13, 20, 22, 23, 24, 25, 26, 27, 50, 51, 55, 56, 58, 59, 61, 63, 64, 66 12 52, 53  ES  1 18, 19, 20, 22	C CER1 SMD 100P 50V C CER2 SMD 470N 16V C CER1 SMD 27P 50V C ECAP RAD 4U7 63V C CER1 SMD 100P 50V C CER1 SMD 68P 50V C CER1 SMD 68P 50V C CER2 SMD 4N7 50V  TR PNP SMD BC857B 45V TR PNP RAD BC557B 45V N-FET SMD 2N7002 60V 180mA  DIODE SMD BAV70 70V 215mA DIODE SMD BAS16	32200054 32525903 32200040 34229578 32125515 32125516 32536210 36145412 36145412 36146424 36380002

Item	Description	Order no.	Item	Description SCART CONNECTOR BLACK	Order no. 41911005
ZENERS	<del></del>		XAV 5 XAV 6	SCART CONNECTOR BLUE SCART CONNECTOR ORANG	41911006
			XAV 7	CONN RCA VERT	41910013
D 2 D 21	Z DIODE SMD BZX84C 8V2 Z DIODE SMD BZX84B 5V6	36780003 36780021	XAV 8	CONN D-TYPE 15-PIN VGA HD FEMALE	41720051
INTEGRATED CIRCUITS	<b></b>		AV165 Sign	al module*	
IC 1 IC 2	IC LOGIC SMD 74HC4053 IC VIDEO SMD	37810038	RESISTORS		
IC 2	VSP9407B-QA-B11 P-MQFP80	37850243			
IC 3	IC PWR MON. ZSM330 8	37410036	R 1, 2, 4, 5, 133	R SMD 270R 0W10	31425855
IC 4 IC 5	IC VIDEO SMD TDA8601	37440045	R 3, 63, 195	R SMD 1K0 0W10	31425820
IC 5	IC uC+text SDA6000-QH-B12 P-MQFP-128	37850226	R 6, 7, 80, 98, 148, 149, 161,		
IC 6	IC V-REG SMD L4931 2V5 0.3A		162, 170, 171,		
IC 7	IC OPAMP SMD MC33078D8	37470007	291, 294, 312,		
IC 10	IC EEPROM SMD 128x8 24LCS21A 8	37866003	324, 332, 339	R SMD 100R 0W10	31490626
IC 12	IC AUDIO	37000003	R 8, 9 R 10, 157, 184,	R SMD 47K 0W10	31425836
	MSP3411G-QA-B8-V3	37430039	R 10, 157, 184, 222, 224	R SMD 22K 0W10	31490656
IC 13	IC OPAMP SMD TL082CD 8	37470003	R 12, 13, 85, 104,		51.0000
IC 14	IC FLASH 1Mx16 CURRENT SOFTWARE		105, 142, 178,		
	VERSION 01.11.2002	MC2B01.0	272, 273, 278 R 14	R SMD 10K 0W10 R SMD 22R J 0W10	31425833 31490617
IC 14	IC FLASH 1Mx16		R 19, 20, 25,	N 3141D 22N 3 044 10	31490017
	M29W160DB90N1 (BLANCO)	37860045	26, 27, 344	R SMD 100K 0W10	31490664
IC 16	IC SDRAM 4Bx1Mx16 K4S641632F-TC70000	37860044	R 21, 22, 28	R SMD 100K 0W10	31425844
IC 17	IC VIDEO SMD	37000044	R 29, 30, 35, 36, 37, 144, 200, 302	R SMD 470R 0W10	31490634
	DDP3315C-QA-D2 P-MQFP80	37850236	R 31, 32, 38, 264,	11 SIVID 47 SIX SVV 10	31430034
IC 18	IC LOGIC SMD 4052BT	37810014		5 R SMD 470R 0W10	31425817
IC 19	IC EEPROM 4kx8 AT24C32 3-5V8	37866017	R 39	R SMD 8K2 0W10	31425832
IC 22	IC V-REG SMD	37000017	R 44, 45, 46, 47, 79, 92, 93, 94,		
	LM1117 1V8 0,8A	37460044	101, 102, 141,		
			217, 244, 245,		
COILS	<u>~~</u>		246, 247, 296 R 52, 72, 301	R SMD 100R 0W10 R SMD 0R 0W10	31425852 31425802
COILS			R 55, 56, 58,	TO SIND SIT SAVIS	31425002
1 45 40 00			59, 60, 61, 62	R SMD 1M0 0W10	31490676
L 15, 16, 28, 29, 34, 35, 36	COIL SMD 10uH 1,6A	45640036	R 57	R SMD 1M0 0W10	31425801
LAV 1, 2, 3, 4	COIL SMD 2,2uH 30mA	45640023	R 64, 158, 167, 173, 194, 197,		
LAV 6, 23, 26, 28	COIL SMD 10uH 1,6A	45640036	254, 307	R SMD 220R 0W10	31490630
LAV 13, 14, 15, 27	COIL SMD 10uH 15mA	45640026	R 78, 83, 84	R SMD 3K3 0W10	31490646
			R 99 R 106, 109	R SMD 1K8 0W10	31490642
FILTERS			R 106, 109 R 107, 112	R SMD 33K 0W10 R SMD 68K 0W10	31425840 31425838
TILILIO			R 108, 111	R SMD 47R 0W10	31425809
1 2 26 27	EMIFIL RAD 4N7 1,0A	45558419	R 110	R CARF RAD 180R 5% 0W25	31630026
L 3, 26, 27 LAV 25	EMIFIL RAD 4N7 1,0A EMIFIL RAD 4N7 1,0A	45558419	R 113 R 130	R SMD 3K9 0W10 R NTC SMD 33k	31490647 31910002
<del></del>			R 134, 175, 187,	IT IN TO SIMIL 33K	3 13 10002
	_		213, 285	R SMD 75R 0W10	31490624
CRYSTALS			R 135, 306	R SMD 270R 0W10	31490631
			R 136, 270 R 137	R SMD 18K 0W10 R CARF RAD 10K 5% 0W25	31490655 31630031
Z 1 Z 7	CRYSTAL SMD 20.250 MHz	45730022	R 138, 303, 304	R SMD 4K7 0W10	31490648
Z 7 Z 8	CRYSTAL SMD 6.000 MHz CRYSTAL SMD 18.432 MHz	45730024 45730021	R 140, 153, 243,		
Z 8 Z 9	CRYSTAL SMD 5.000 MHz	45730021	256, 290	R SMD 1K0 0W10	31490639
			R 143, 159, 189, 292, 315, 322,		
	4-		330, 337	R SMD 2K2 0W10	31490644
OTHERS			R 146	R SMD 68K 0W10	31490662
			R 147	R SMD 6K8 0W10	31490650
JAV 2, 3, 4, 5, 14	R SMD 0R	31490600	R 151, 166 R 154, 155	R SMD 27K 0W10 R SMD 3K3 0W10	31490657 31425829
JAV 9, 24	R SMD OR OW10	31425802	R 156, 163, 164,	IL OIND DIZO ONN IO	5 1720023
L 30, 31, 32, 33 XAF 1	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH	31425802	165, 183, 190,		
XAF 1 XAH 1	CONN HEADER 10-PIN PITCH		199, 204, 252,	D OLLD AND THE	044000
XAV 1	MODULE CONN 9-PIN 90-DEG		253, 340, 341, 342 R 160, 222, 231	R SMD 10K 0W10 R SMD 22K 0W10	31490652 31425837
XAV 2, 3	CONN MODULE 19-PIN	41720048		R SMD 2K2 0W10	31425837

Iten	1	Description	Order no.	Iten	n	Description	Order no.
R	174, 176, 177,	D CNAD ZED OVA/40	21425061	С	98, 99, 100,		
R	186, 206, 223 196, 203, 205	R SMD 75R 0W10 R SMD 56K 0W10	31425861 31490661		175, 177, 180, 197, 198, 207,		
R	198, 201, 202,	TOWN SON OVE TO	31430001		208, 268, 288,		
	237, 360	R SMD 220R 0W10	31425815		311, 317, 325,		
R	214, 255, 266	R SMD 330R 0W10	31490632		326, 333	C ECAP RAD 10U 63V	34540025
R	218, 219, 226,			C	103, 272	C CER1 SMD 47P 50V	32125508
	293, 295, 309, 351, 352	R SMD 0R - JUMP	31490600	С	118, 282, 289, 290, 334, 342,		
R	227	R SMD 560R 0W10	31425818		346, 347, 349	C CER2 SMD 10N 50V	32536213
R	235	R SMD 4K7 0W10	31425824	С	125	C CER1 SMD 150P 50V	32125511
R	263	R SMD 430R 0W10	31425879	С	159, 160, 298, 302	C ECAP RAD 1U0 100V HV	34229675
R	265	R SMD 910R 0W10	31425883	С	174, 183, 281,		
R R	267 268	R SMD 390R 0W10	31425816	_		C ECAP RAD 47U 50V	34540028
R	269, 271	R SMD 300R 0W10 R SMD 33K 0W10	31425856 31490658	C	252 270	C CER1 SMD 10P 50V C CER1 SMD 82P 50V	32200030 32125531
R	274	R SMD 82R 0W10	31425882	C	276, 277, 295	C CER1 SMD 47P 50V	32200046
R	276	R SMD 330R 0W10	31425857	С	278, 279	C CER1 SMD 3P3 50V	32200018
R	305	R SMD 27R 0W10	31490618	C		C CER1 SMD 100P 50V	32200054
R R		R SMD 390R 0W10 R SMD 22R 0W10	31490633 31490617	C	293 299, 300	C CER2 SMD 470N 16V C CER1 SMD 27P 50V	32525903 32200040
R	314	R SMD 33R 0W10	31490619	Č	310	C ECAP RAD 4U7 63V	34229578
R	320, 321, 326,			Č	331	C CER1 SMD 100P 50V	32125515
_	328, 333, 335	R SMD 39R 0W10	31490620	С	350	C CER1 SMD 68P 50V	32125516
R	343	EMI FERRITE BEAD SMD 470R/100MHz 150mA	46900003	С	353, 354	C CER2 SMD 4N7 50V	32536210
R	345, 346, 347	EMI FERRITE BEAD SMD 600R/100MHz 200mA	46900004	TRA	INSISTORS	$\Omega$	
						Ψ	
CAP	ACITORS	<b>⊣</b> ⊢		Т	1, 2, 6, 44, 54,		
OA!	Adirono	11		Т	57, 60, 62, 65	TR PNP SMD BC857B 45V	36145412
_	1 0 5 11 00			'	3, 5, 7, 8, 11, 13, 20, 22, 23,		
С	1, 2, 5, 11, 20, 22, 25, 29, 31,				24, 25, 26, 27,		
	34, 35, 49, 50,				50, 51, 55, 56,		
	90, 96, 154, 182,				58, 59, 61, 63,	TO MONI OND DOOMED ATV	00445040
	184, 185, 188,			Т	64, 66 12	TR NPN SMD BC847B 45V TR PNP RAD BC557B 45V	36145312 36146424
	191, 192, 193, 194, 195, 196,			Ė	52, 53	N-FET SMD 2N7002	30140424
	199, 204, 206,				,	60V 180mA	36380002
	209, 275, 280,						
	294, 309, 312,					N.1	
	316, 320, 329,			DIO	DES	<del></del>	
	335, 336, 337, 345, 351	C CER2 SMD 100N 16V	32200117				
С	3, 8, 12, 13, 210	C CER1 SMD 220P 50V	32200062	D	1	DIODE SMD	
С	4, 43, 129, 303,			_		BAV70 70V 215mA	36561954
_	304, 305	C CER2 SMD 10N 50V 0603	32200102	D	18, 19, 20, 22	DIODE SMD	00500010
C		C CER2 SMD 1U0 10V	32525907			BAS16 75V 250mA	36560318
С	9, 21, 23, 24, 26, 27, 28, 32,						
	36, 37, 38, 39,			ZEN	ERS	<b>—</b>	
	48, 82, 167, 176,					<b>*</b> /	
_		C CER2 SMD 100N 25V	32190001	D	2	Z DIODE SMD BZX84C 8V2	36780003
C C	10, 201, 202 17, 19	C CER1 SMD 22P 50V C CER2 SMD 47N 50V	32200038 32536222	D		Z DIODE SMD BZX84B 5V6	36780003
Č	30, 33	C CER1 SMD 33P 50V	32125507	_			
Č	41, 71, 72, 73,	0 02111 01110 001 001	<b>32 123307</b>				
	74, 101, 102	C CER2 SMD 330N 16V	32525901	INTE	GRATED CIRCUITS	<b></b>	
С	45, 92, 93, 94,					111111	
C	338, 339, 340	C CER2 SMD 47N 16V 0603	32200113	IC	1	IC LOGIC SMD 74HC4053	37810038
C C	47, 69, 85, 86, 301 51, 66, 67, 68,	C CER2 SMD 1N0 50V	32536203	IC		IC VIDEO SMD	
_	87, 88, 146, 149,			10		VSP9407B-QA-B11 P-MQFP80	
	150, 151, 152,			IC IC		IC PWR MON. ZSM330 8	37410036
	291, 296, 297,			iC		IC uC+TEXT SDA6000-QH-B12 P-MQFP-128	37850226
_	308	C CER2 SMD 1N0 50V 0603	32790023	IC		IC V-REG SMD L4931 2V5 0,3A	
С	54, 55, 62, 63, 156, 238, 242,			IC	7	IC OPAMP SMD MC33078D8	37470007
	243, 244	C CER1 SMD 390P 50V	32145428	IC		IC AUDIO	
С	60, 61	C CER2 SMD 390P 50V	32200068	IC		MSP3411G-QA-B8-V3	37430039
С	77, 78, 79, 80	C ECAP RAD 22U 35V	34540021	iC		IC FLASH 1Mx16 CURRENT SOFTWARE	
С	81, 109, 127,	C ECAD DAD 100H 25V	24540020				MC2B01.0
С	348, 352 95	C ECAP RAD 100U 25V C ECAP RAD 3U3 63V	34540020 34540029				
-	-0		J				

Item	Description	Order no.	Item	Description	Order no.
IC 14	Description IC FLASH 1Mx16	Older 110.	RH 43, 56	R CARF RAD 3R3 5% 0W25	31514515
IC 14	M29W160DB90N1 (BLANCO)	37860045	RH 44.∕∆	R FUS V RD 330R 0W25	31860005
IC 16	IC SDRAM 4Bx1Mx16 K4S641632F-TC70000	37860044	RH 46, 48 RH 47, 49	R CARF RAD 10R 5% 0W25 R SMD 18K 0W10	31514513 31425813
IC 17	IC VIDEO SMD DDP3315C-QA-D2 P-MQFP80	37850236	RH 50 RH 51	R SMD 560R 0W10 R CARF RAD 220R 0W25	31425818 31630051
IC 19	IC EEPROM 4kx8		RH 58	R SMD 330R 0W10 R SMD 220R 0W10	31425857 31425815
IC 22	AT24C32 3-5V8 IC V-REG SMD	37866017	RH 61, 62, 63 RH 64	R CARF AX 270R 5% 0W25	31660011
	LM1117 1V8 0,8A	37460044			
			CAPACITORS	<del>-  -</del>	
COILS	<u>~~</u>				
			CH 1	C ECAP RAD 47U 16V	34223251
L 15, 16, 28,			CH 2, 7, 12, 36, 38	C CER2 SMD 22N 50V	32536221
29, 34, 35, 36	COIL SMD 10uH 1,6A	45640036 45640023	CH 3, 8, 13, 32, 33, 34, 37, 39	C CER2 SMD 100N 50V	32536223
LAV 1, 2, 4 LAV 6, 23, 26, 28	COIL SMD 2,2uH 30mA COIL SMD 10uH 1,6A	45640025	CH 4, 9, 14, 19	C (M)KT RAD 22N 250V	33380002
LAV 15, 27	COIL SMD 10uH 15mA	45640026	CH 5	C CER1 SMD 68P 50V	32125516
			CH 6, 11, 16	C CER2 SMD 1N0 50V	32536203
			CH 17	C ECAP BLK 4U7 250V HV	34610001
FILTERS	_/		CH 18 CH 22	C ECAP BLK 10U 250V HV C (M)KT BLK 8N2 1K5V	34610002 33360007
			CH 27, 29, 43	C ECAP RAD 10U 63V	34540025
L 3, 26, 27	EMIFIL RAD 4N7 1,0A	45558419	CH 28	C ECAP RAD 100U 25V	34540020
LAV 25	EMIFIL RAD 4N7 1,0A	45558419	CH 31	C ECAP RAD 47U 63V	34540053
			CH 41	C CER1 SMD 680P 50V	32190014
******			CH 42 CH 44	C CER1 SMD 47P 50V C CER2 SMD 10N 50V	32125508 32536213
CRYSTALS	<u> </u>		CH 46	C CER2 SMD 4N7 50V	32536210
Z 1	CRYSTAL SMD 20,250 MHz	45730022		<b>***</b>	
Z 7 Z 8	CRYSTAL SMD 6,000 MHz CRYSTAL SMD 18,432 MHz	45730024 45730021	TRANSISTORS	$\Theta$	
Z 8 Z 9	CRYSTAL SMD 16,432 WHZ	45730023		*	
_ •			TH 1	TR NPN RAD BF422 250V	36125217
			TH 2, 6	TR PNP SMD BC857B 45V	36145412
OTHERS	<b>-</b> ⊙-		TH 3 TH 4	TR NPN SMD BC847B 45V TR PNP BLK 2SA1837 230V 1A	36145312
			TH 7	TR NPN BLK 2SC4793 230V 1A	
					1005/0050
JAV 2, 3, 4, 5, 14,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00270020
19, 21, 22, 23	R SMD 0R	31490600		NI N	100270020
19, 21, 22, 23 JAV 7, 8, 9, 24	R SMD 0R 0W10	31425802	DIODES	<b>→</b>	00270020
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH	31425802 41710071		<b>→</b>	002/0020
19, 21, 22, 23 JAV 7, 8, 9, 24	R SMD 0R 0W10	31425802 41710071 41710070		DI RECT PWR AX	
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN	31425802 41710071 41710070 41720002 41720048	DIODES  DH 1, 2	DI RECT PWR AX BYV36C 600V 1.6A	36575452
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK	31425802 41710071 41710070 6 41720002 41720048 41911005	DIODES	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD	36575452
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE	31425802 41710071 41710070 41720002 41720048	DIODES  DH 1, 2  DH 3, 4, 5	DI RECT PWR AX BYV36C 600V 1.6A	36575452 36560318
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006	DIODES  DH 1, 2	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA	36575452 36560318
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE A/V MODULE BRACKET	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA	36575452 36560318 36561950
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE A/V MODULE BRACKET	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA	36575452 36560318 36561950
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE A/V MODULE BRACKET  module*	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA	36575452 36560318 36561950 36490002
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE A/V MODULE BRACKET	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA	36575452 36560318 36561950
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA	36575452 36560318 36561950 36490002
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET   **MODULE BRACKET**  **R SMD 3K0 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA	36575452 36560318 36561950 36490002
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250MA DI SMD BAV103 200V 250MA DI SMD LS4148 75V 200MA  IC VIDEO TDA6111Q-N4C	36575452 36560318 36561950 36490002
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425802	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA61110-N4C	36575452 36560318 36561950 36490002
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R SMD 1K5 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425802 31425826	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250MA DI SMD BAV103 200V 250MA DI SMD LS4148 75V 200MA  IC VIDEO TDA6111Q-N4C	36575452 36560318 36561950 36490002
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425802	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA6111Q-N4C  COIL AX 10UH 10% 230mA	36575452 36560318 36561950 36490002 37440004
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17 RH 18, 19, 21, 22,	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R SMD 1K5 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425802 31425826	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA61110-N4C  COIL AX 10UH 10% 230mA COIL AX 10uH 1200mA	36575452 36560318 36561950 36490002 37440004
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R METF AX 68K 2% 1W0	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425802 31425826 31440008	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA6111Q-N4C  COIL AX 10UH 10% 230mA	36575452 36560318 36561950 36490002 37440004
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17 RH 18, 19, 21, 22, 23, 24 RH 27 RH 28, 33	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R METF AX 68K 2% 1W0  R COMP AX 470R 0W25 R CARF AX 4M7 5% 0W25 R COMP AX 1K5 0W50	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425826 31425826 31440008 31595565 31660029 31594639	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1  LH 6, 7	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA61110-N4C  COIL AX 10UH 10% 230mA COIL AX 10uH 1200mA	36575452 36560318 36561950 36490002 37440004
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17 RH 18, 19, 21, 22, 23, 24 RH 27 RH 28, 33 RH 31	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R METF AX 68K 2% 1W0  R COMP AX 470R 0W25 R CARF AX 4M7 5% 0W25 R COMP AX 1K5 0W50 R SMD 68R 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425802 31425826 31440008 31595565 31660029 31594639 31425876	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1  LH 6, 7	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA61110-N4C  COIL AX 10UH 10% 230mA COIL AX 10uH 1200mA	36575452 36560318 36561950 36490002 37440004
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17 RH 18, 19, 21, 22, 23, 24 RH 27 RH 28, 33 RH 31 RH 36	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R METF AX 68K 2% 1W0  R COMP AX 470R 0W25 R CARF AX 4M7 5% 0W25 R COMP AX 1K5 0W50 R SMD 68R 0W10 R SMD 100K 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425802 31425826 31440008 31595565 31660029 31594639 31425876 31425844	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1  LH 6, 7  OTHERS  CRT 1, 2  J 4, 18, 24,	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA6111Q-N4C  COIL AX 10UH 10% 230mA COIL AX 10UH 1200mA  ——— BLADE CONN 2.8MM	36575452 36560318 36561950 36490002 37440004 45620003 45571698
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17 RH 18, 19, 21, 22, 23, 24 RH 27 RH 28, 33 RH 31 RH 36 RH 37, 52	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R METF AX 68K 2% 1W0  R COMP AX 470R 0W25 R CARF AX 4M7 5% 0W25 R COMP AX 1K5 0W50 R SMD 68R 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490062 31490056 31630036 31425802 31425826 31440008 31595565 31660029 31594639 31425876	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1  LH 6, 7  OTHERS  CRT 1, 2  J 4, 18, 24, 29, 30, 31	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA61110-N4C  COIL AX 10UH 10% 230mA COIL AX 10UH 1200mA  ——— BLADE CONN 2.8MM JUMPER R=10,0 mm	36575452 36560318 36561950 36490002 37440004 45620003 45571698 41930001 85600061
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17 RH 18, 19, 21, 22, 23, 24 RH 27 RH 28, 33 RH 31 RH 36	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R METF AX 68K 2% 1W0  R COMP AX 470R 0W25 R CARF AX 4M7 5% 0W25 R COMP AX 1K5 0W50 R SMD 68R 0W10 R SMD 100K 0W10 R SMD 100K 0W10 R SMD 100K 0W10 R SMD 2K2 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490056 31630036 31425802 31425826 31440008 31595565 31660029 31594639 31425844 31425844 31425828 31425817 31425820	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1  LH 6, 7  OTHERS  CRT 1, 2  J 4, 18, 24,  29, 30, 31  J 17	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA61110-N4C  COIL AX 10UH 10% 230mA COIL AX 10uH 1200mA  ——— BLADE CONN 2.8MM  JUMPER R=10,0 mm JUMPER R=12,5 mm	36575452 36560318 36561950 36490002 37440004 45620003 45571698 41930001 85600061 85600078
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17 RH 18, 19, 21, 22, 23, 24 RH 27 RH 28, 33 RH 31 RH 36 RH 37, 52 RH 38 RH 39, 59 RH 40	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R SMD 1K5 0W10 R METF AX 68K 2% 1W0  R COMP AX 470R 0W25 R COMP AX 1K5 0W50 R SMD 68R 0W10 R SMD 100K 0W10 R SMD 100K 0W10 R SMD 1K0 0W10 R SMD 470R 0W10 R SMD 1K0 0W10 R SMD 100R 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490056 31630036 31425802 31425826 31440008 31595565 31660029 31594639 31425876 31425844 31425828 31425877 31425820 31425820 31425820 31425852	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1  LH 6, 7  OTHERS  CRT 1, 2  J 4, 18, 24,  29, 30, 31  J 17  J 20	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA61110-N4C  COIL AX 10UH 10% 230mA COIL AX 10uH 1200mA  ——— BLADE CONN 2.8MM JUMPER R=10,0 mm JUMPER R=12,5 mm JUMPER R=15,0 mm	36575452 36560318 36561950 36490002 37440004 45620003 45571698 41930001 85600061
19, 21, 22, 23 JAV 7, 8, 9, 24 XAF 1 XAH 1 XAV 1 XAV 2, 3 XAV 4 XAV 5 XAV 7  HH201 CRT  RESISTORS  RH 1 RH 2 RH 26 RH 3, 12, 16, 60 RH 6, 7, 8, 9, 11, 14 RH 4, 13, 17 RH 18, 19, 21, 22, 23, 24 RH 27 RH 28, 33 RH 31 RH 36 RH 37, 52 RH 38 RH 39, 59	R SMD 0R 0W10 CONN HEADER 20-PIN PITCH CONN HEADER 10-PIN PITCH MODULE CONN 9-PIN 90-DEG CONN MODULE 19-PIN SCART CONNECTOR BLACK SCART CONNECTOR BLUE AV MODULE BRACKET  R SMD 3K0 0W10 R SMD 1K00 0W10 R CARF RAD 33K 5% 0W25 R SMD 0R 0W10 R SMD 1K5 0W10 R METF AX 68K 2% 1W0  R COMP AX 470R 0W25 R COMP AX 1K5 0W50 R SMD 100K 0W10 R SMD 100K 0W10 R SMD 2K2 0W10 R SMD 470R 0W10 R SMD 470R 0W10 R SMD 1K0 0W10	31425802 41710071 41710070 6 41720002 41720048 41911005 41911006 84481920 31490056 31630036 31425802 31425826 31440008 31595565 31660029 31594639 31425844 31425844 31425828 31425817 31425820	DIODES  DH 1, 2  DH 3, 4, 5  DH 6, 7, 8, 9, 10, 11  DH 12, 13  INTEGRATED CIRCUITS  ICH 1, 2, 3  COILS  LH 1  LH 6, 7  OTHERS  CRT 1, 2  J 4, 18, 24,  29, 30, 31  J 17  J 20	DI RECT PWR AX BYV36C 600V 1.6A DIODE SMD BAS16 75V 250mA DI SMD BAV103 200V 250mA DI SMD LS4148 75V 200mA  IC VIDEO TDA61110-N4C  COIL AX 10UH 10% 230mA COIL AX 10uH 1200mA  ——— BLADE CONN 2.8MM  JUMPER R=10,0 mm JUMPER R=12,5 mm	36575452 36560318 36561950 36490002 37440004 45620003 45571698 41930001 85600061 85600078 85600085

38					
ltem S 1∆	Description SPARK GAP 2,0kV +/-500V	Order no. 41555001	Item	Description	Order no.
SOH 2A UG 2	CRT SOCKET 0330 7700 44 BLADE CONN 2.8MM	41510006 41930001	INTEGRATED CIRCUITS	<b></b>	
XH 1 XH 2 XH 3	WIRE BUNDLE 6-PIN 370mm RGB CABLE 10-PIN H-DY SVM CABLE. PT-SCREW 3,5x6,5 POZ	96010019 96010198 96010204 62038859	ICH 1, 2, 3	IC VIDEO TDA6111Q-N4C	37440004
			COILS	<u></u>	
HH203 CRT	module*		LH 1 LH 6	COIL AX 10UH 10% 230mA COIL AX 10uH 1200mA	45620003 45571698
RESISTORS					
RH 1 RH 2 RH 3, 12, 16 RH 4, 13, 17	R SMD 3K0 0W10 R SMD 1K00 0W10 R SMD 0R 0W10 R METF AX 68K 2% 1W0	31490062 31490056 31425802 31440008	OTHERS  CRT 1, 2  J 4, 18, 24,	–(O– BLADE CONN 2.8MM	41930001
RH 4, 13, 17 RH 6, 7, 8, 9, 11, 14 RH 18, 19, 21, 22, 23, 24 RH 26 RH 27 RH 28, 33 RH 31	R SMD 1K5 0W10  R COMP AX 470R 0W25 R CARF RAD 33K 5% 0W25 R CARF AX 4M7 5% 0W25 R COMP AX 1K5 0W50 R SMD 68R 0W10	31425826 31595565 31630036 31660029 31594639 31425876	29, 30, 31 J 17 J 20 J 21, 25, 27, 28, 32 J 22 S 1A SOH 1A	JUMPER R=10,0 mm JUMPER R=12,5 mm JUMPER R=15,0 mm JUMPER R=7,5 mm R SMD 0R 0W10 SPARK GAP 2,0kV +/-500V CRT SOCKET 0330 5500 34	85600061 85600078 85600085 85600054 31425802 41555001 41554034
RH 36 RH 37 RH 38 RH 39, 59 RH 40 RH 64	R SMD 100K 0W10 R SMD 2K2 0W10 R SMD 470R 0W10 R SMD 1K0 0W10 R SMD 100R 0W10 R CARF AX 270R 5% 0W25	31425844 31425828 31425817 31425820 31425852 31660011	UG 2 XH 1 XH 2	BLADE CONN 2.8MM WIRE BUNDLE 6-PIN 370mm RGB CABLE 10-PIN PT-SCREW 3,5x6,5 POZ	41930001
RH 61, 62, 63	R SMD 220R 0W10	31425815	FC110 Cont	trol unit module	
CAPACITORS	-  -		RESISTORS	$\rightarrow$	
CH 1 CH 2, 7, 12 CH 3, 8, 13 CH 4, 9, 14, 19 CH 5 CH 6, 11, 16 CH 17 CH 18 CH 22 CH 27, 43 CH 28 CH 46	C ECAP RAD 47U 16V C CER2 SMD 22N 50V C CER2 SMD 100N 50V C (M)KT RAD 22N 250V C CER1 SMD 68P 50V C CER2 SMD 1N0 50V C ECAP BLK 4U7 250V HV C ECAP BLK 10U 250V HV C (M)KT BLK 8N2 1K5V C ECAP RAD 10U 63V C ECAP RAD 100U 25V C CER2 SMD 4N7 50V	34223251 32536221 32536223 33380002 32125516 32536203 34610001 34610002 33360007 34540025 34540020 32536210	RFC 1, 2, 31 RFC 3, 4 RFC 5 RFC 7, 16 RFC 9, 14, 37 RFC 10, 55 RFC 17 RFC 17 RFC 19, 20 RFC 21, 22 RFC 26 RFC 27 RFC 41	R SMD 47K 0W10 R SMD 75R 0W10 R SMD 470R 0W10 R SMD 22K 0W10 R SMD 1K0 0W10 R SMD 1K0 0W10 R SMD 100R 0W10 R SMD 100K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R CARF AX 2K2 5% 0W25 R CARF AX 100R 0W25 R FUS V RD 150R 0W25 R SMD 220R 0W10	31425836 31425861 31425817 31425827 31425820 31425824 31425852 31425844 31425833 31660037 31660049 31860004 31425815
TRANSISTORS	$ \otimes $		RFC 43, 44, 45, 48, 49 RFC 47 RFC 52	R SMD 270R 0W10 R FUS V AX 4K7 0W50	31425801 31425855 31850009
TH 1 TH 2	TR NPN RAD BF422 250V TR PNP SMD BC857B 45V	36125217 36145412	RFC 56 RFC 57 RFC 58	R FUS V RD 47R 0W25 R SMD 2K20 0W10 R SMD 6K81 0W10	31860006 31490098 31490455
DIODES	<del></del>		CAPACITORS		
DH 1, 2	DI RECT PWR AX	00575450	CFC 1_1-1_1,1-2_1,		
DH 3, 4, 5	BYV36C 600V 1.6A DIODE SMD	36575452	2-1⚠, 2-2⚠	CONN GRIPLET FOR 2-SIDED PCB d=1,9mm	41930009
DH 6, 7, 8, 9, 10, 11	BAS16 75V 250mA DI SMD BAV103 200V 250mA	36560318 36561950	CFC 1△,2△ CFC 3 CFC 4	C MP/P BLK 100N 275VAC X2 C ECAP RAD 470U 10V C ECAP BLK 1000U 16V	33260003 34221242 34550001
ZENERS	<b>→</b>		CFC 5, 7 CFC 6, 10 CFC 8, 20	C CER2 SMD 4N7 50V C CER1 SMD 220P 50V C ECAP RAD 10U 35V	32536210 32125513 34540027
ZDH 1	Z DIODE SMD BZX84B 24V 2%	36780022	CFC 11 CFC 12, 13 CFC 14, 15 CFC 16, 17 CFC 18, 19 CFC 21, 22	R SMD 0R 0W10 C CER1 SMD 390P 50V C ECAP RAD 100U 25V C CER2 SMD 22N 50V C CER2 SMD 47N 50V C CER1 RAD 15P 100V	31425802 32145428 34540020 32536221 32536222 32180003

Item	Description	Order no.	Item	Description	Order no.
CFC 27	C ECAP RAD 2U2 400V	34540097	J 1, 3, 6, 7, 8, 10,		
CFC 35 39 30	C CER2 SMD 10N 50V C CER2 SMD 100N 25V	32536213 32190001	11, 12, 14, 15, 16, 17, 18, 19,		
CFC 35, 38, 39 CFC 36	C CER2 SMD 100N 25V	32790054	20, 21, 22, 23,		
CFC 42	C CER2 RAD 1N5 S 2K0V	32670976	25, 26, 27, 28,		
CFC 43	C CER1 SMD 82P 50V	32125531	39, 50, 54, 56	JUMPER R=12,5 mm	85600078
CFC 44 CFC 45	C CER1 SMD 270P 50V C CER1 SMD 470P 50V	32125529 32145430	J 2, 5, 13, 31, 38, 48, 49, 51,		
CFC 45	C CENT SIMD 470F 50V	32 143430	52, 53, 55	R SMD 0R 0W10	31425802
	$\sim$		JFC 2	JUMPER R=12,5 mm	85600078
TRANSISTORS	$\Theta$		JFC 3, 14, 15, 16, 17	R SMD 0R 0W10	31425802
	<b>T</b>		LFC 2-1⚠, 2-2⚠, 1-1⚠, 1-2⚠	CONN GRIPLET	
TFC 5, 6, 7, 8	TR NPN SMD BC847B 45V	36145312	1 12:37 1 62:3	FOR 2-SIDED PCB d=1,9mm	41930009
			MFC 1-1△, 1-2△,		
D10000	N		1-3△, 1-4△	CONN GRIPLET FOR 2-SIDED PCB d=1,9mm	41930009
DIODES			SWFC 1, 2, 3, 4	TACTILE SWITCH 4	41150685
			UFC 1-1△, 1-2△,		
DFC 1	DI RECT PWR AX BYV36C 600V 1,6A	36575452	1-3△, 1-4△	CONN GRIPLET	44000000
DFC 4	LED RAD LS5460HL RED 5mm		UFC 1∕∆	FOR 2-SIDED PCB d=1,9mm MAINS SWITCH 250V 6/120A	41930009
DFC 9	JUMPER R=12,5 mm	85600078	XA 5	SIGNAL CABLE 20-PIN 600mm	
DFC 11-1 <u>/</u>	CONN GRIPLET	44000000	XFC 1-1⚠, 1-2⚠	CONN GRIPLET	
DFC 6, 7	FOR 2-SIDED PCB d=1,9mm DI RECT PWR AX	41930009	XFC 1	FOR 2-SIDED PCB d=1,9mm	41930009
DI C 0, 7	BY527 1K25V 2A	36610001	XFC B	ROW CONN 2-PIN VERT LOCK CONN RCA 3 IN ROW	41430747
DFC 17	LED RAD LG5460GK		XFC 9	CONN S-VHS	41452244
DFC 18	GREEN 5mm IC VREF TL431CLP	36910005 37410012	XFC 10	CONN PHONO 3,5mm	44040004
Drc 18	DI TRC BLK MAC9M 600V 8A		XO 2-1∆,1-1∆	JACK WITH SENSE SWITCH CONN GRIPLET	41910001
			XO 2-1/23, 1-1/23	FOR 2-SIDED PCB d=1,9mm	41930009
			XO 2	WIREPLUG FOR 2-PIN 410mm	96008011
INTEGRATED CIRCUITS			$\triangle$	COVER FOR CAMERA	0.4.400000
				CONNECTOR	84488890
ICFC 1	IC PWR CONT TNY253P IC OPTO TRIAC TLP763JF	37410032 36950010			
ICFC 2△			DD460 DID		Massar e
ICFC 3/I\	IC OPTO COUPL SFH615A-2	36950009	PP160 PiP	noquie	
ICFC 3⚠	IC OPTO COUPL SFH615A-2	36950009	PP16U PIP	nodule	
	IC OPTO COUPL SFH615A-2	36950009	RESISTORS	noaule ·—-	
FUSES	-E	36950009		•	
FUSES		36950009		•	31490631
	FUSE T3,15A HIGH BREAK		RESISTORS  RPP 1, 2 RPP 5	R SMD 270R 0W10 R SMD 5K6 0W10	31490649
FUSES		43751652	RESISTORS  RPP 1, 2 RPP 5 RPP 6	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10	31490649 31490650
FUSES FFC 1A	FUSE T3,15A HIGH BREAK 5X20MM		RESISTORS  RPP 1, 2 RPP 5	R SMD 270R 0W10 R SMD 5K6 0W10	31490649
FUSES FFC 1A	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS	43751652	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10	31490649 31490650 31490652
FUSES  FFC 1A  FFC 1	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm	43751652	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52,	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10	31490649 31490650 31490652 31490630
FUSES FFC 1A	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS	43751652	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10 EMI FERRITE BEAD SMD	31490649 31490650 31490652 31490630 31490624
FUSES  FFC 1  FFC 1  TRANSFORMERS	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm	43751652	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52,	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10	31490649 31490650 31490652 31490630
FUSES  FFC 1A  FFC 1	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm	43751652	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817
FUSES  FFC 1  FFC 1  TRANSFORMERS	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm	43751652 41540001	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10 EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2A	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673	43751652 41540001	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 33K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817
FUSES  FFC 1  FFC 1  TRANSFORMERS	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm	43751652 41540001	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10 EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2A	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673	43751652 41540001	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30,	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 33K 0W10 R SMD 100R 0W10 R SMD 100R 0W10 R SMD 180K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840 31425852 31490012
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA	43751652 41540001 45310006	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 33K 0W10 R SMD 100R 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840 31425852
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2 LFC 3, 4, 7, 8	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA	43751652 41540001 45310006 45620057 45640026	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30,	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 33K 0W10 R SMD 100R 0W10 R SMD 100R 0W10 R SMD 180K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840 31425852 31490012
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2 LFC 3, 4, 7, 8 LFC 6, 12	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA	43751652 41540001 45310006	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48 RPP 24, 26, 41,	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 100R 0W10 R SMD 100K 0W10 R SMD 10K 0W10	31490649 31490650 31490652 31490624 46900005 31490626 31425817 31425834 31425840 31425852 31490012 31425844 31425833 31490059
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2 LFC 3, 4, 7, 8	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48 RPP 24, 26, 41, 42, 43, 44, 47 RPP 33 RPP 34, 38	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 12K 0W10 R SMD 10OR 0W10 R SMD 10OR 0W10 R SMD 10OR 0W10 R SMD 10OK 0W10 R SMD 10OK 0W10 R SMD 10OK 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 680K 0W10 R SMD 120K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425840 31425840 31425852 31490012 31425844 31425833 31490059 31425845
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2  LFC 3, 4, 7, 8  LFC 6, 12  LFC B  LFC 10  LFC 11	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA R SMD 0R 0W10 COIL BLK 10uH 1200mA RAD COIL SMD 3,3uH 30mA	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699 45640024	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48 RPP 24, 26, 41, 42, 43, 44, 47 RPP 33 RPP 34, 38 RPP 34, 38 RPP 35	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 13K 0W10 R SMD 10OR 0W10 R SMD 10OR 0W10 R SMD 10OK 0W10 R SMD 10OK 0W10 R SMD 10K 0W10 R SMD 12K 0W10 R SMD 12K 0W10 R SMD 12OK 0W10 R SMD 12OK 0W10 R SMD 12OK 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425840 31425852 31490012 31425844 31425833 31490059 31425845 31425839
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2  LFC 3, 4, 7, 8  LFC 6, 12  LFC B  LFC 10	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA R SMD 0R 0W10 COIL BLK 10uH 1200mA RAD	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699 45640024	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48 RPP 24, 26, 41, 42, 43, 44, 47 RPP 33 RPP 34, 38	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 12K 0W10 R SMD 10OR 0W10 R SMD 10OR 0W10 R SMD 10OR 0W10 R SMD 10OK 0W10 R SMD 10OK 0W10 R SMD 10OK 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 680K 0W10 R SMD 120K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425840 31425840 31425852 31490012 31425844 31425833 31490059 31425845
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2  LFC 3, 4, 7, 8  LFC 6, 12  LFC B  LFC 10  LFC 11	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA R SMD 0R 0W10 COIL BLK 10uH 1200mA RAD COIL SMD 3,3uH 30mA	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699 45640024	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48 RPP 24, 26, 41, 42, 43, 44, 47 RPP 33 RPP 34, 38 RPP 35 RPP 36, 37	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 13K 0W10 R SMD 100R 0W10 R SMD 100R 0W10 R SMD 100K 0W10 R SMD 10K 0W10 R SMD 12K 0W10 R SMD 17K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840 31425842 31490012 31425843 31490059 31425845 31425839 31425801
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2  LFC 3, 4, 7, 8  LFC 6, 12  LFC B  LFC 10  LFC 11	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA R SMD 0R 0W10 COIL BLK 10uH 1200mA RAD COIL SMD 3,3uH 30mA	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699 45640024	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48 RPP 24, 26, 41, 42, 43, 44, 47 RPP 33 RPP 34, 38 RPP 35 RPP 36, 37 RPP 39	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 33K 0W10 R SMD 12K 0W10 R SMD 100R 0W10 R SMD 180K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 120K 0W10 R SMD 120K 0W10 R SMD 27K 0W10 R SMD 1M0 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840 31425842 31490012 31425843 31490059 31425845 31425839 31425801
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2  LFC 3, 4, 7, 8  LFC 6, 12  LFC B  LFC 10  LFC 11  MFC 1  MFC 1	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA R SMD 0R 0W10 COIL BLK 10uH 1200mA RAD COIL SMD 3,3uH 30mA COIL SMD 3,3uH 30mA COIL SMD 3,3uH 30mA	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699 45640024	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48 RPP 24, 26, 41, 42, 43, 44, 47 RPP 33 RPP 34, 38 RPP 35 RPP 36, 37	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 470R 0W10 R SMD 12K 0W10 R SMD 13K 0W10 R SMD 100R 0W10 R SMD 100R 0W10 R SMD 100K 0W10 R SMD 10K 0W10 R SMD 12K 0W10 R SMD 17K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840 31425842 31490012 31425843 31490059 31425845 31425839 31425801
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2  LFC 3, 4, 7, 8  LFC 6, 12  LFC B  LFC 10  LFC 11  MFC 1  MFC 1	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA R SMD 0R 0W10 COIL BLK 10uH 1200mA RAD COIL SMD 3,3uH 30mA COIL SMD 3,3uH 30mA COIL SMD 3,3uH 30mA	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699 45640024	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52,	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 12K 0W10 R SMD 12K 0W10 R SMD 13K 0W10 R SMD 180K 0W10 R SMD 100R 0W10 R SMD 100R 0W10 R SMD 100K 0W10 R SMD 100K 0W10 R SMD 100K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 12K 0W10 R SMD 17K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840 31425852 31490012 31425844 31425833 31490059 31425845 31425839 31425801 31425825
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2  LFC 3, 4, 7, 8  LFC 6, 12  LFC B  LFC 10  LFC 11  MFC 1  OTHERS	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA R SMD 0R 0W10 COIL BLK 10uH 1200mA RAD COIL SMD 3,3uH 30mA COIL MAINS BLK TRE293/30H  ———— MODULE HOLDER IR-RECEIVER	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699 45640024 45390023	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52, 53, 54, 55, 56, 57  RPP 13, 16, 17, 49 RPP 14, 27, 28, 29 RPP 15 RPP 18, 20 RPP 19, 40, 46 RPP 21, 23 RPP 22, 25, 30, 31, 32, 45, 48 RPP 24, 26, 41, 42, 43, 44, 47 RPP 33 RPP 34, 38 RPP 35 RPP 36, 37 RPP 39  CAPACITORS  CPP 1, 21, 30	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 12K 0W10 R SMD 12K 0W10 R SMD 13K 0W10 R SMD 180K 0W10 R SMD 100R 0W10 R SMD 100R 0W10 R SMD 100R 0W10 R SMD 100K 0W10 R SMD 10K 0W10 R SMD 17K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425834 31425840 31425833 31490012 31425844 31425833 31490059 31425845 31425839 31425801 31425825
FUSES  FFC 1  FFC 1  TRANSFORMERS  MFC 2  COILS  LFC 1, 2  LFC 3, 4, 7, 8  LFC 6, 12  LFC 9  LFC 10  LFC 11  MFC 1  OTHERS  A 2, 4	FUSE T3,15A HIGH BREAK 5X20MM FUSEHOLDER CLIPS 5*20MM R=5,0mm  MAINS TRAFO 2262.0029B/TM2673  COIL AX 40uH 2000mA COIL SMD 10uH 15mA COIL SMD 10uH 15mA COIL SMD 2,2uH 30mA R SMD 0R 0W10 COIL BLK 10uH 1200mA RAD COIL SMD 3,3uH 30mA COIL MAINS BLK TRE293/30H  ———————————————————————————————————	43751652 41540001 45310006 45620057 45640026 45640023 31425802 45571699 45640024 45390023	RESISTORS  RPP 1, 2 RPP 5 RPP 6 RPP 7, 8, 9 RPP 10 RPP 11 RPP 12, 50, 51, 52,	R SMD 270R 0W10 R SMD 5K6 0W10 R SMD 6K8 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 220R 0W10 R SMD 75R 0W10  EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 100R 0W10 R SMD 12K 0W10 R SMD 12K 0W10 R SMD 13K 0W10 R SMD 180K 0W10 R SMD 100R 0W10 R SMD 100R 0W10 R SMD 100K 0W10 R SMD 100K 0W10 R SMD 100K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 10K 0W10 R SMD 12K 0W10 R SMD 17K 0W10	31490649 31490650 31490652 31490630 31490624 46900005 31490626 31425817 31425834 31425840 31425852 31490012 31425844 31425833 31490059 31425845 31425839 31425801 31425825

10		
Item CPP 5, 8, 9, 10, 11, 12, 13, 14, 15,	Description	Order no.
16, 17, 18, 20, 29, 37 CPP 6, 7 CPP 19 CPP 22, 34, 35, 36 CPP 23, 24, 25,	C CER2 SMD 100N 16V C CER1 SMD 27P 50V C ECAP RAD 100U 16V C CER2 SMD 100N 25V	32200117 32200040 34223252 32190001
26, 27, 28 CPP 31 CPP 32, 33 CPP 38, 39	C ECAP RAD 22U 35V C CER2 SMD 10N 50V C CER1 SMD 2N250V C CER1 SMD 100P 50V	34540021 32536213 32190026 32200054
TRANSISTORS	$ \otimes $	
TPP 1 TPP 2, 3, 4, 5, 6, 7 TPP 8	TR NPN SMD BC847B 45V N-FET SMD 2N7002 60V 180mA TR NPN SMD BC848B 30V	36145312 36380002 36145322
INTEGRATED CIRCUITS		
ICPP 1 ICPP 2 ICPP 3, 4	IC VIDEO SMD DRX3960A-F5 IC V-REG SMD LP2981 3V3 IC OPAMP SMD TL082CD 8	37460045
COILS	<u></u>	
LPP 1 LPP 4, 5, 6 LPP 2, 3, 7, 8	COIL SMD 1.0uH 245mA COIL SMD 10uH 15mA COIL BLK 10uH 1200mA RAD	45620051 45640026 45571699
FILTERS		
ZPP 1	SAW FILTER X6966D 36,125MHz	45740038
CRYSTALS		
ZPP 2	CRYSTAL BLK 20.250 MHz	45730011
OTHERS	<del>-</del> (0-	
J 1 J 2, 12 J 3 J 4, 5 J 6, 7, 13, 14 J 8, 15 J 11 TU 1 X 1, 2 X 3	JUMPER R=7,5 mm JUMPER R=20,0 mm EMI FERRITE BEAD SMD 2500R/100MHz 100mA R SMD 0R R SMD 0R 0W10 JUMPER R=12,5 mm JUMPER R=15,0 mm TUNER UV1316T/S IH-3 CONN MODULE 7-PIN 9LOCK CONN RCA ANT CABLE ASSY 200mm RCA/IEC	85600054 85600102 46900005 31490600 31425802 85600078 85600085 58231069 41720049 41910019

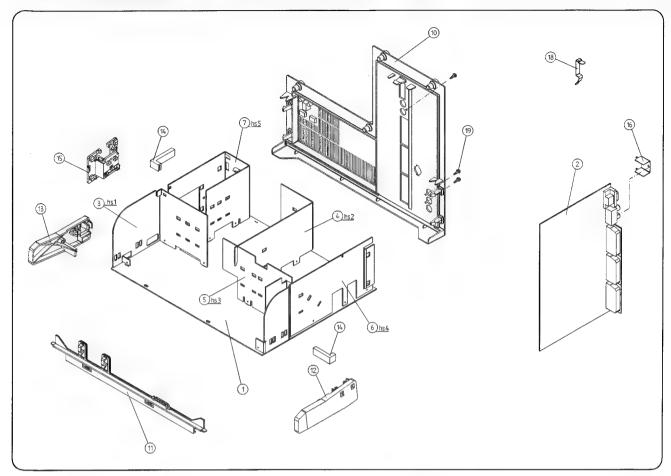
Item	Description	Order no.
AJ106	Crossover network mo	dule*
RESISTORS	$\leftarrow$	
RAJ 1	R METOX BK 4R7 1W5 RAD	31450004
CAPACITORS	-  -	
CAJ 1 CAJ 2	C ECAP BLK 4U7 50V C ECAP BLK 4U7 50V	34540034 34540034
COILS	<u>~~</u>	
LAJ 1	COIL 36-18 1mH	93002510
OTHERS	<b>-</b> (○-	
XAJ 1 TW- TW+ MB+ MB-	ROW CONN 3-N VERT LOCK WIRE 400mm BLACK WIRE 400mm BROWN WIRE 350mm RED WIRE 350mm GREEN	73190603 96010170 96010171 96010205 96010206

## RCU100 Remote Control

REMOTE CONTROL UNIVERSUM BATTERY COVER RCU100 84433430

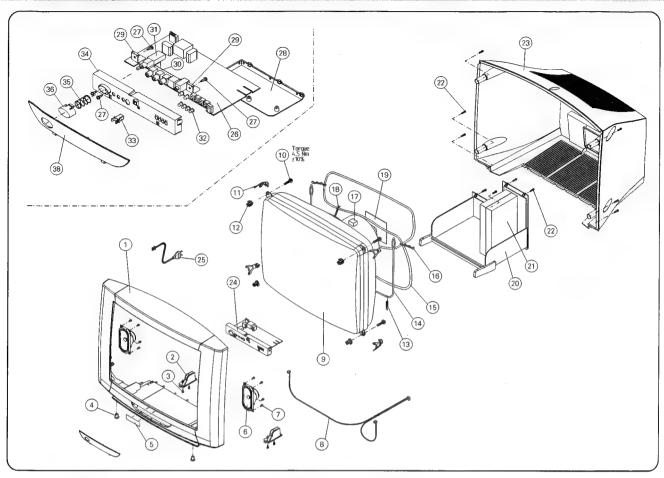


## Mechanical parts, chassis

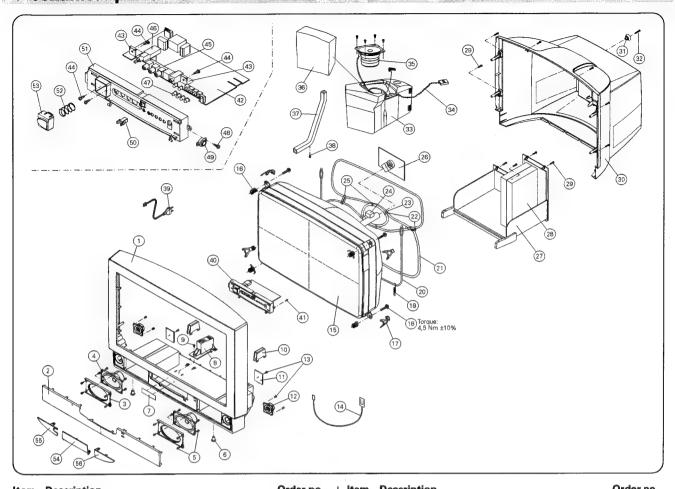


item	Description MODULES	Order no.	Item 12	Description CHASSIS HOLDER LEFT	Order no. 80409535
1	MAIN BOARD	TN/TW****	13	CHASSIS HOLDER RIGHT	80409559
2	SIGNAL MODULE	AV16*	14 15	CONNECTING PIECE CONNECTING PLATE 28"	84488881 84488470
	METAL PARTS				
3	HEAT SINK 1	84830830		SPRINGS, SCREWS	
4	HEAT SINK 2	84830910	18	HEAT SINK SPRING	79400021
5	HEAT SINK 3	84830920	19	PT-SCREW KB30x8 (2 AUDIO OUT, 1 AUDIO IN)	78360002
6	HEAT SINK 4b	84830870			
7	HEAT SINK 5	84830900			
16	AV MODULE BRACKET	84481920			
10	PLASTIC PARTS COVER PLATE FOR CONNECTOR AREA A (3 x SCART, VGA + AUDIO IN) - Universum FT7121	84401230			
	C (2 x SCART, NO VGA + AUDIO IN) - Universum FT7120	84401210			
11	WIRE HOLDER	84486070			

## Mechanical parts 28" V3 FT7120 Prod.-Nr. 867.510 0



ltem	Description	Order no.	ltem	Description	Order no.
1 🛆	CABINET V-0 28V3 POLAR SILVER	85101500	25 ⚠	MAINS CABLE +CONNECTOR 2.25m	70003769
2	CHASSIS BRACKET	84488920	26	CONTROL UNIT MODULE	FC110
3	PT-SCREW KB 40X10 FOR CHASIS BRACKET	WC0353	27	PT-SCREW KB30X8	WC0371
4	FOOT PAD 14.6mm NATURA	80424027	28 ⚠	FIRE BARRIER FOR CONTROL UNIT	84860450
5	BADGE UNIVERSUM	66390050	29	MODULE SUPPORT	81408167
6	LOUDSPEAKER 57X126mm 8 10W	43120022	30 ⚠	COVER FOR CAMERA CONNECTOR	84488890
7	PT-SCREW KB 40X10 FOR LOUDSPEAKERS	WC0353	31 ⚠	MAINS SWITCH 250V 6/120A	41210011
8	LOUDSPEAKERS WIRE BUNDLE	96010145	32	PUSH BUTTON	63157040
9 🗥	PICTURE TUBE Phi A66EAK075X44 100Hz AK	43642849	33	FLAP LOCK	80413473
10	PT-SCREW 7X30 FOR PICTURE TUBE	62034039	34	CONTROL UNIT FRAME	84451260
11	DEGAUSSING COIL HOLDER	84488950	35	COMPRESSION SPRING	UC3051
12	PICTURE TUBE HOLDER	84480810	36	MAINS BUTTON	84630830
13	GROUNDING SPRING	81401082	38	FLAP V3 100Hz Safety++	84501700
14	GROUNDING WIRE	96010090		EXTENSION FOR MAINS BUTTON	84630760
15 🗥		45820039	A	WIRE BUNDLE V-DEFLECTION 550mm	96008120
16	DEGAUSSING COIL HOLDER	84488790	A	WIRE BUNDLE H-DEFLECTION	9601 0059
17	FELT PAD	80440385	<u> </u>	ANODE CABLE 570mm +CHIMNEY	96008868
18	DEGAUSSING COIL TIGHTENER	80424133	$\triangle$	FOCUS CABLE 1,2 410MM	9601 0230
19 🗥	CRT MODULE	HH203	A	DST CABLE 280MM	9601 1091
20 \land	CHASSIS	TNBRAAA		PIP MODULE	PP160
21	SIGNAL MODULE	AV165		REMOTE CONTROL UNIVERSUM	RCU100
22	PT-SCREW KB 40X20	WC0354		BATTERY COVER	8443 3430
23 🗥	BACK COVER V-0 28V3 LIGHT GREY	83303930			
24	CONTROL UNIT	SY126			



ltem	Description	Order no.	Item	Description	Order no.
1 1	CABINET V-0 32X6 POLAR SILVER	8201810A	34	SUBWOOFER WIRE BUNDLE	96008820
2	GRILL 32	84603880	35	SUBWOOFER LOUDSPEAKER 8 15W	43120024
3	LOUDSPEAKER MOUNTING PLATE	84401200	36	DAMPER	UA1668
4	LOUDSPEAKER 70X130 B	43120005	39 ⚠	MAINS CABLE +CONNECTOR 2.25m	70003769
5	PT-SCREW KB40X10	WC0353	37	SUBWOOFER BOX HOLDER	81408105
6	FOOT PAD 14.6mm NATURA	80424027	40	CONTROL UNIT	SY122
7	BADGE UNIVERSUM	66390050	38	SCREW 5X9.5 FOR SUBWOOFER MOUNTING	WC0308
8	CHASSIS BRACKET	84488820	41	PT-SCREW KB 35X12, BLACK	62039239
9	PT-SCREW KB40X8 FOR CHASSIS BRACKET	WC0368	42	CONTROL UNIT MODULE	FC110
10	CHASSIS HOLDER	84488440	43	MODULE SUPPORT	81408167
11	CROSSOVER NETWORK	AJ106	44	PT-SCREW KB30X8	WC0371
12	TWEETER 51X51 8	33004365		COVER FOR CAMERA CONNECTOR	84488890
13	PT-SCREW KB40X8	WC0368		MAINS SWITCH 250V 6/120A	41210011
14	GROUNDING WIRE FOR GRILL	96010210	47	PUSH BUTTON	63157040
	PICTURE TUBE Phi W76ERF042X044 100Hz TF		48	PT-SCREW KB25X8	78360040
16	PICTURE TUBE HOLDER	84480810	49	FLAP DAMPER	84488870
17	DEGAUSSING COIL HOLDER	84488950	50	FLAP LOCK	80413473
18	PT-SCREW 7X40 FOR PICTURE TUBE	WC2027	51	CONTROL UNIT FRAME	84461180
19	GROUNDING SPRING	81401082	52	COMPRESSION SPRING	UC3051
20	GROUNDING WIRE	96010091	53	MAINS BUTTON	84680770
	DEGAUSSING COIL	45820038	54	FLAP X6 Safety++	84501610
22	WIRETIE 190MM	65221205	55	LENS LEFT SIDE	84553550
	COMPENSATION COIL 220mm	45820005	56	LENS RIGHT SIDE	84553590
24	FELT PAD	80440385		PICTURE TUBE SUPPORT	84489040
25	DEGAUSSING COIL TIGHTENER	80424133		EXTENSION FOR MAINS BUTTON	84680760
	CRT MODULE	HH201		LOUDSPEAKERS WIRE BUNDLE	96010145
		TWARCAA		WIRE BUNDLE V-DEFLECTION 550mm	96008120 96010059
28	SIGNAL MODULE	AV163 WC0354		WIRE BUNDLE H-DEFLECTION ANODE CABLE 630mm + CHIMNEY	96008869
29	PT-SCREW KB 40X20	84303790		FOCUS CABLE 410mm	96010220
	BACK COVER V-0 32X6 LIGHT GREY	UL0104		FOCUS CABLE 4 10MM	96010220
31	PLUG FOR SUBWOOFER MOUNTING PT-SCREW KB 40X40 FOR	ULU 104	\(\(\text{\\cinceinte\end{\(\text{\(\text{\\cinceinte\end{\(\text{\(\text{\\cinceinte\end{\(\text{\\cinceinte\end{\(\text{\\cinceinte\end{\(\text{\\cinceinte\end{\(\text{\\cinceinte\end{\\cinceinte\end{\\cinceinte\end{\\cinceinte\end{\\cinceinte\end{\\cinceinte\end{\\cinceinte\end{\\cinceinte\end{\\cinceinte\cinceinte\end{\\cinceinte\end{\\cinceinte\cinceint	PIP MODULE	PP160
32	SUBWOOFER MOUNTING	WC0429		REMOTE CONTROL UNIVERSUM	RCU100
33	SUBWOOFER WOONTING SUBWOOFER V-0	SCE076		BATTERY COVER	84433430
_	SUBVOUPER V-U	SCEU/0	ı	DATTERT COVER	0-1-1-0-14-30

PLEASE NOTE:

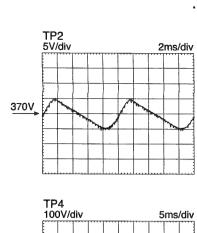
DO NOT ADJUST THE POTENTIOMETERS ON THE CONVERGENCE CORRECTION MODULE OF THE PHILIPS TRUE FLAT PICTURE TUBE (TYPES W66ERF & W76ERF).

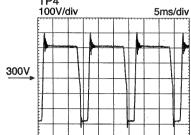
ADJUSTMENT OF THESE POTENTIOMETERS WILL VOID THE WARRANTY FOR THE PICTURE TUBE.

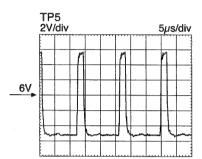
BEBACHTER SIE BITTE:

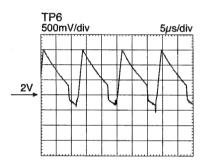
DIE POTENTIOMETER DES KONVERGENZ-KORREKTIONSMODULES DER PHILIPS "TRUE FLAT"-BILDRÖHRE (TYPEN W66ERF & W76ERF) DÜRFEN NICHT VERSTELLT WERDEN,

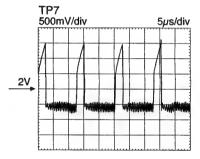
BEI VERSTELLUNG DIESER POTENTIOMETER ERLÖSCHEN DIE GARANTIEANSPRÜCHE AUF DIE BILDRÖHRE.

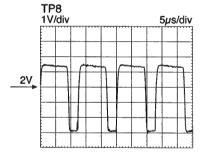


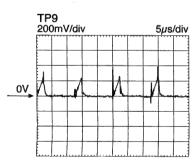


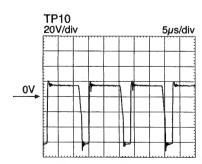


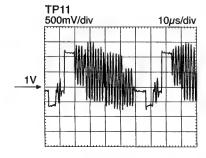






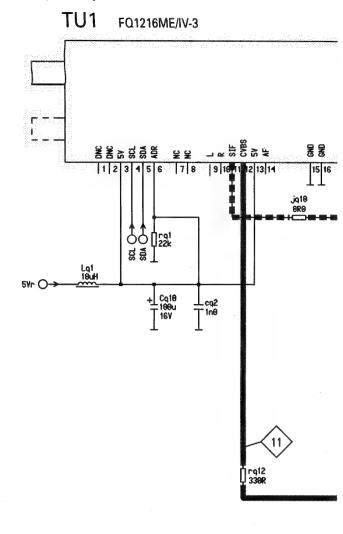






Video signal (CVBS or Y)
Chroma signal
Sound IF signal
Audio signal (L)
Audio signal (R)
Subwoofer signal
RGB or UV signal
Horizontal deflection signal

Horizontal deflection signal Vertical deflection signal E-W raster correction signal

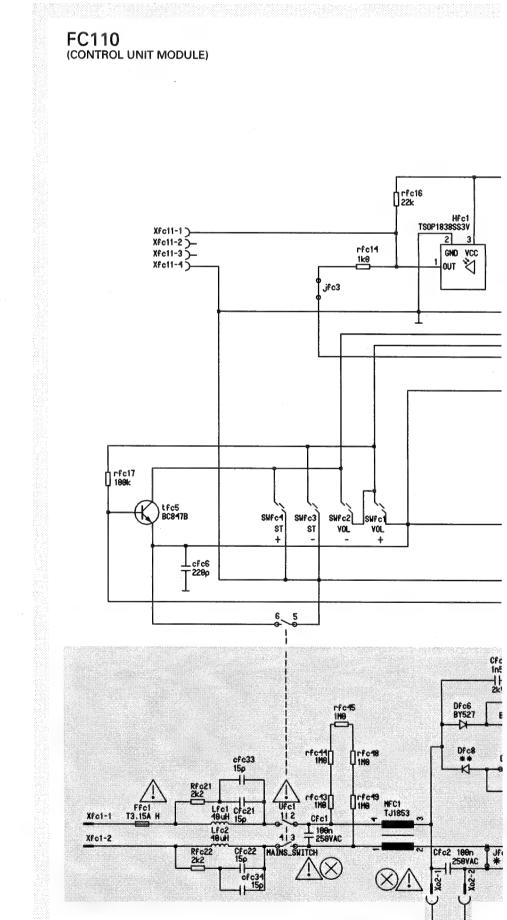


not used

\*\* version component

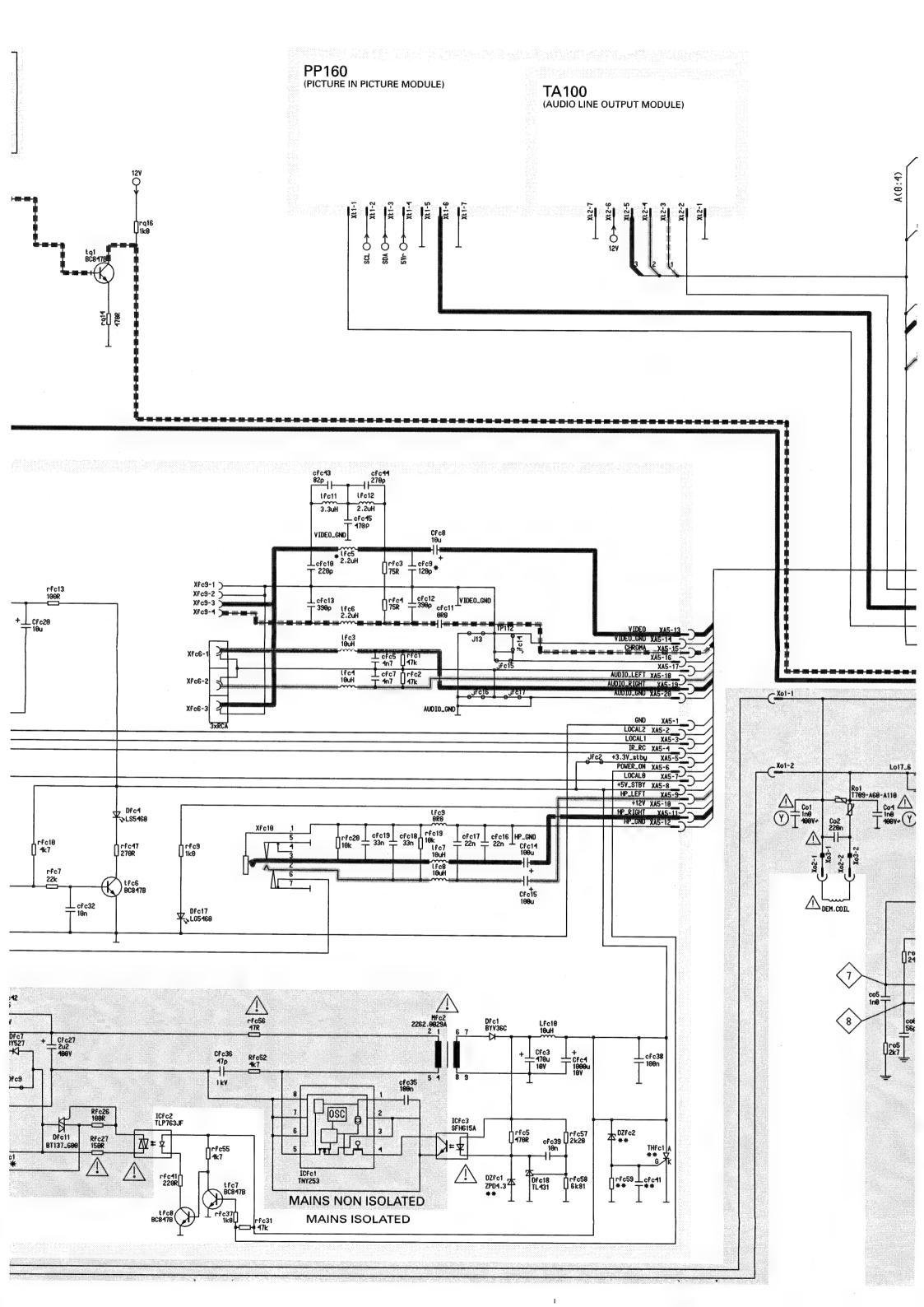
safety component,

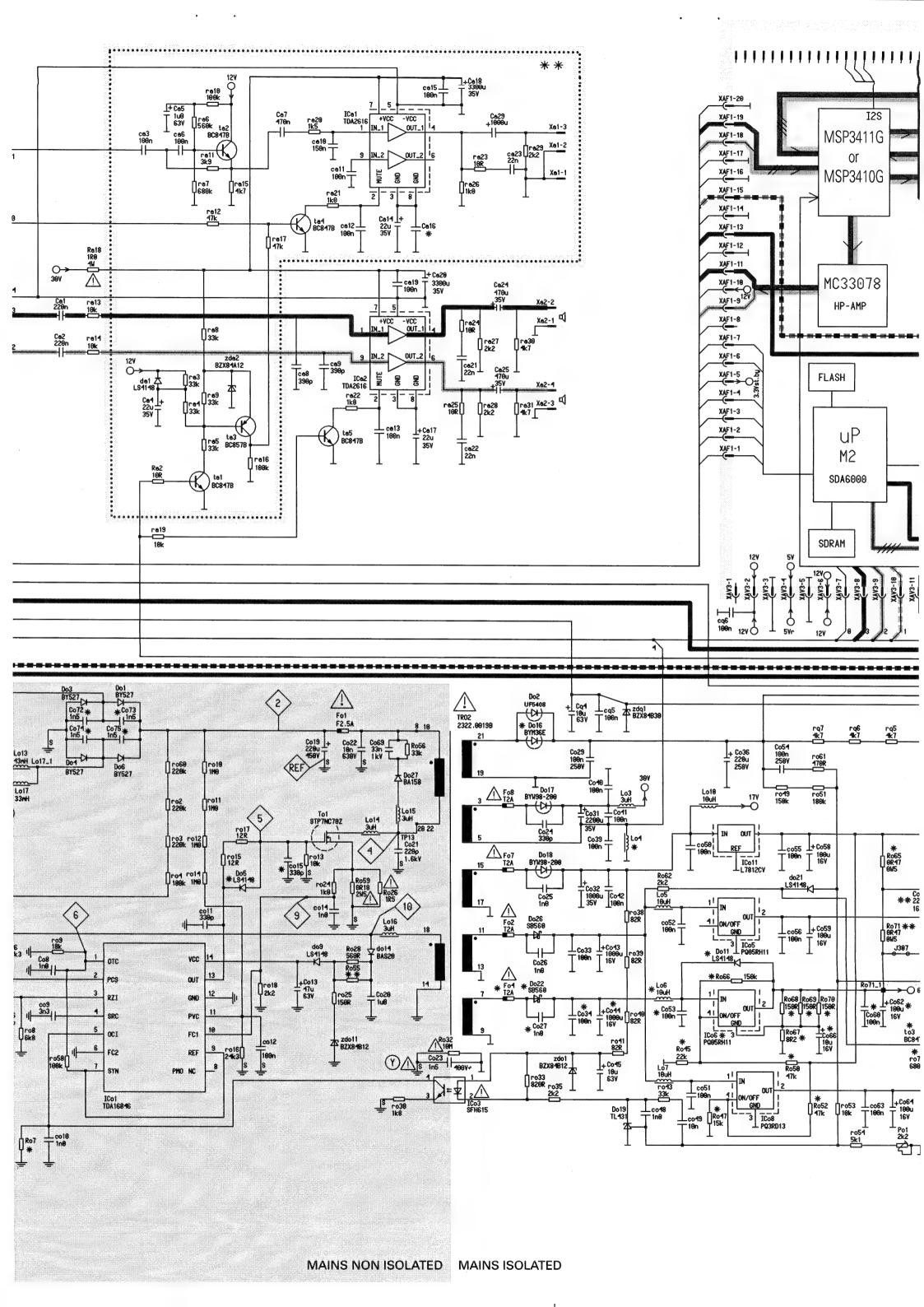
must be replaced only with original parts.

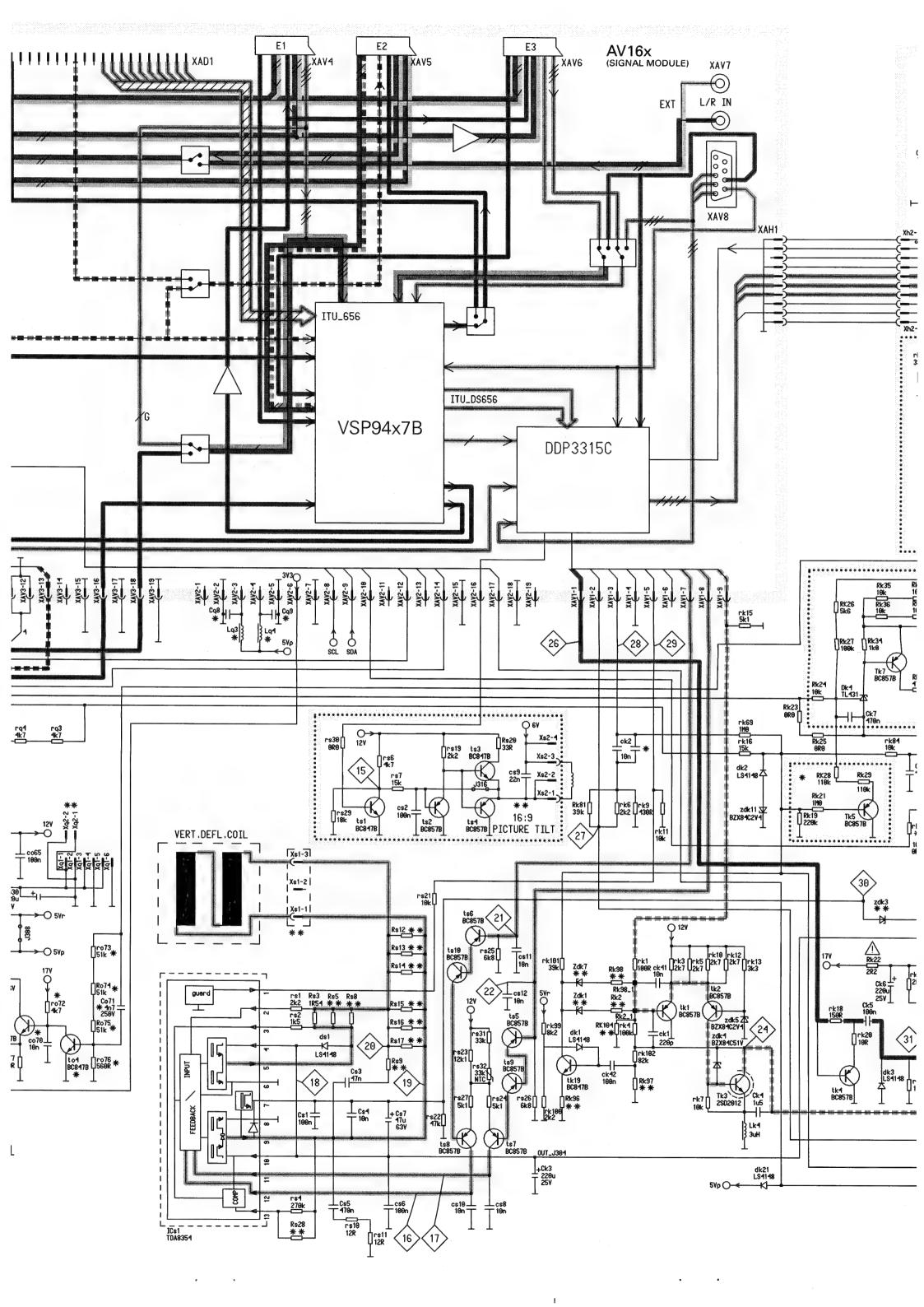


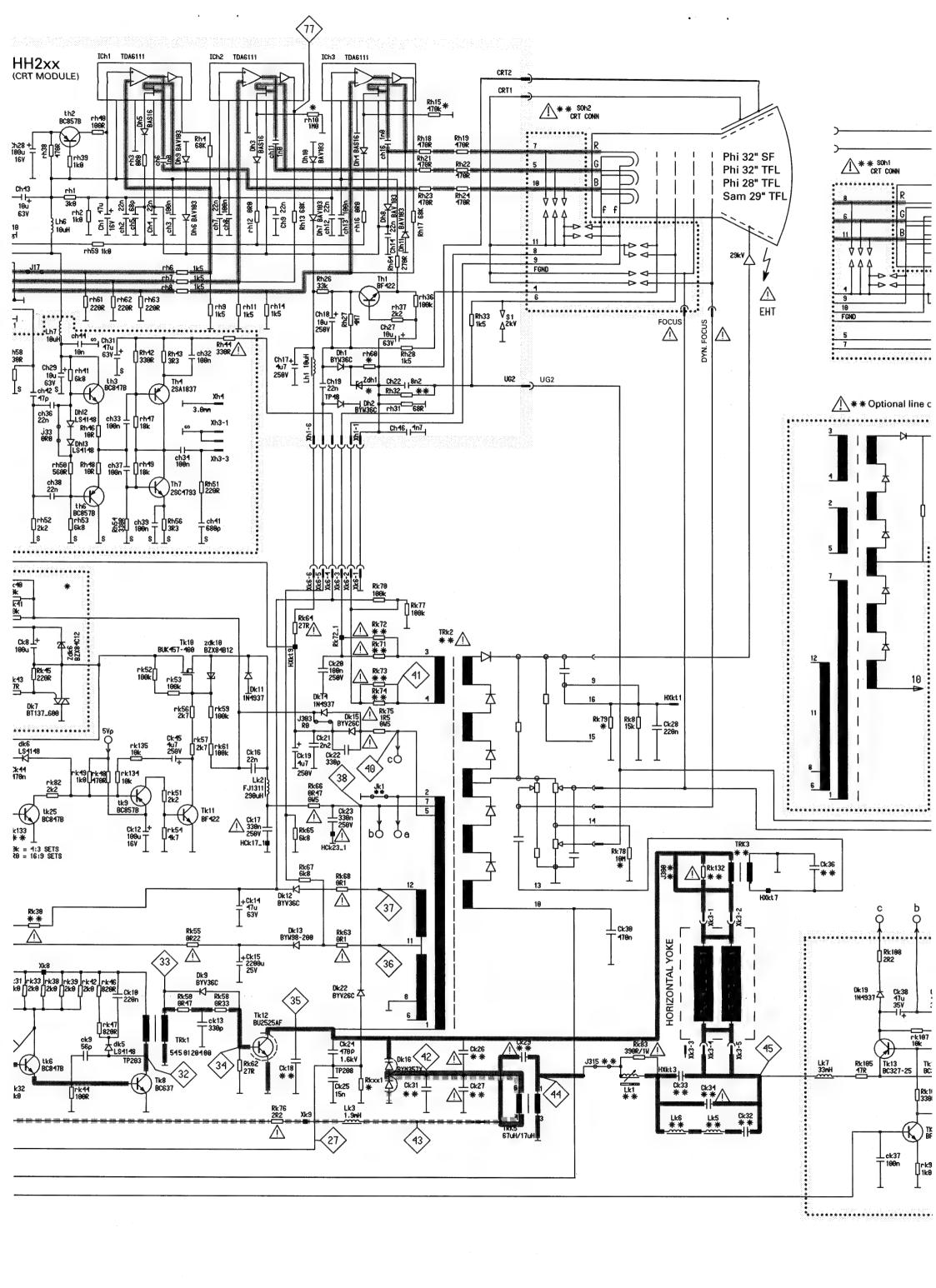
**VERSION** 9

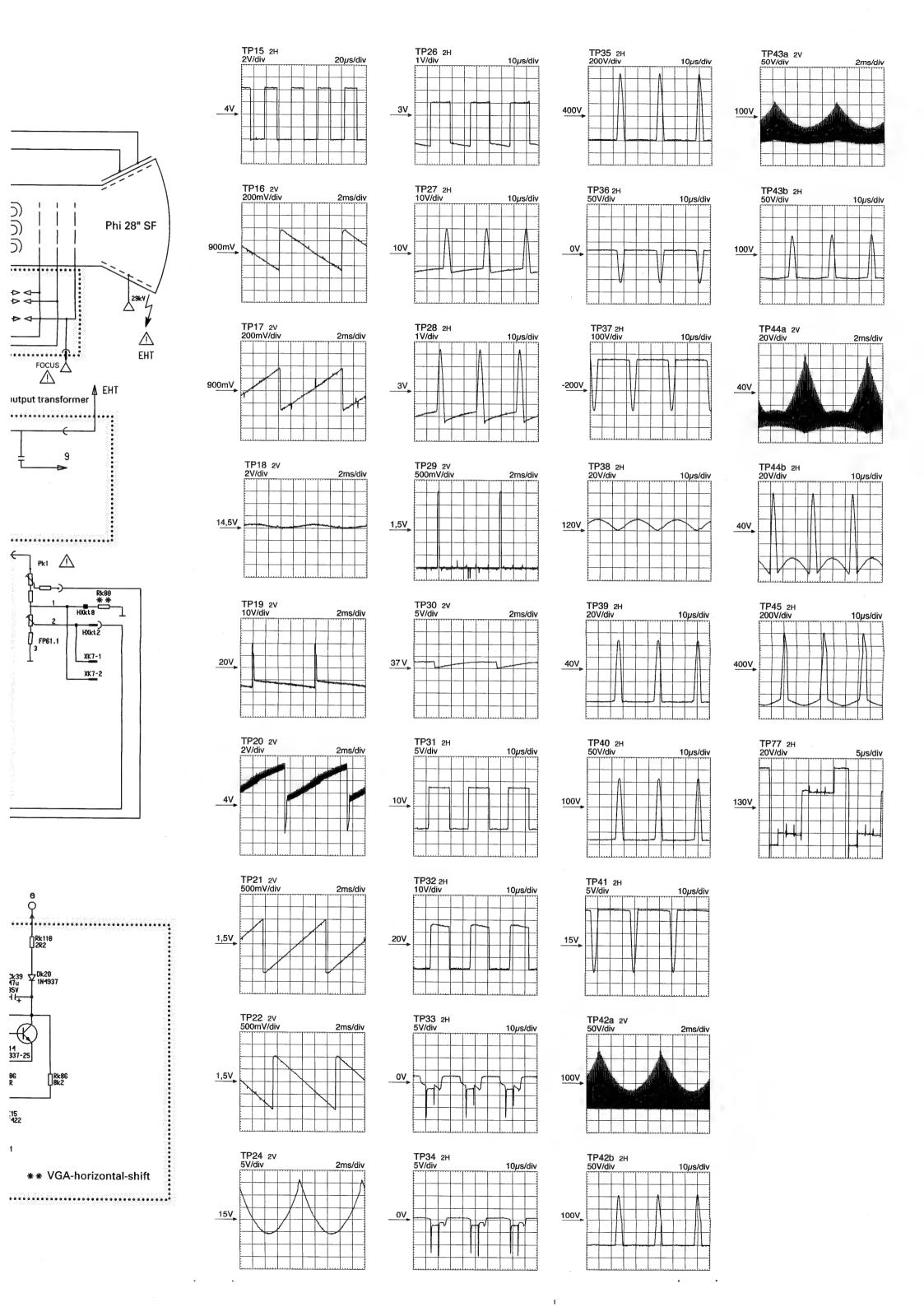
CHASSIS MC2B SERIES 100Hz

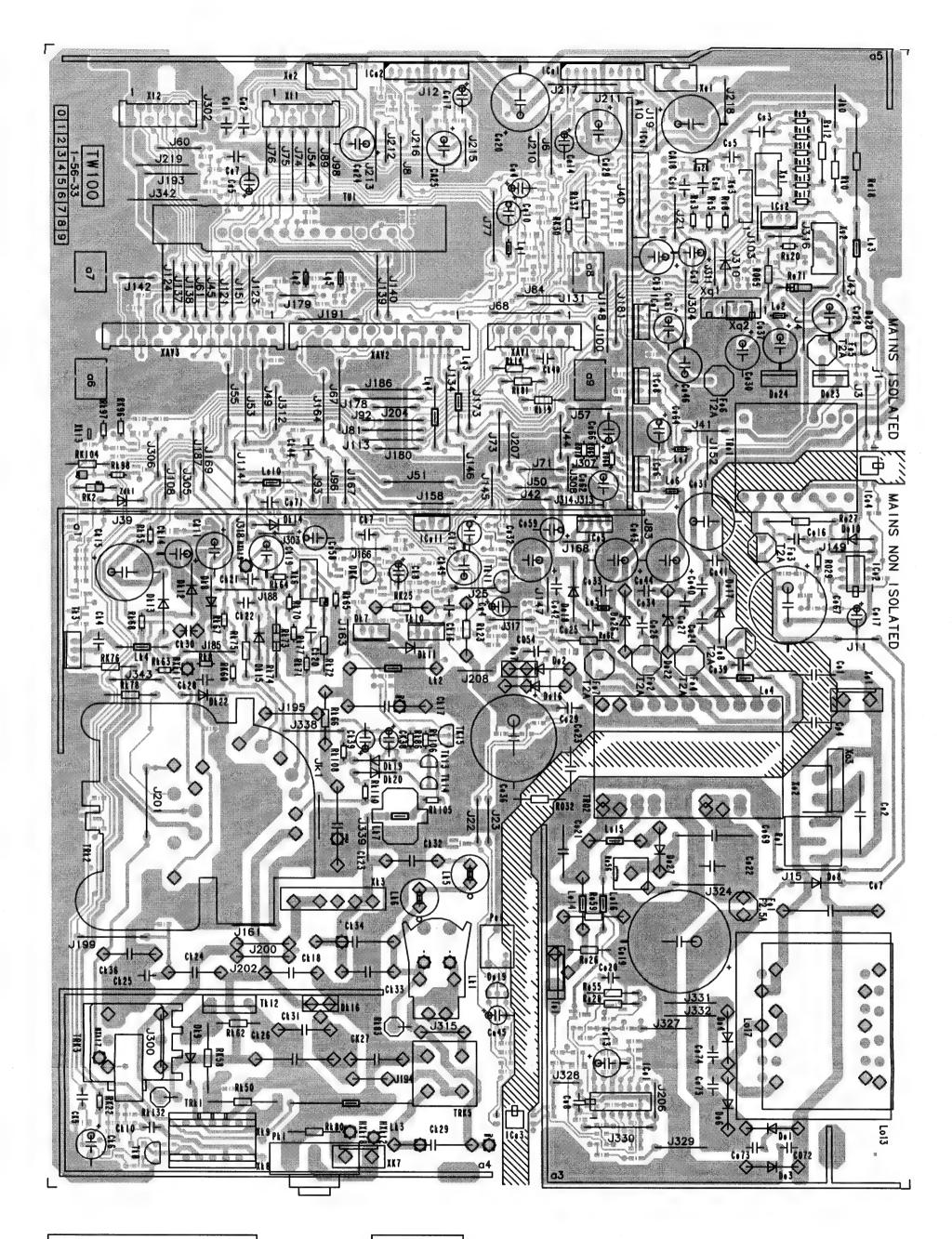






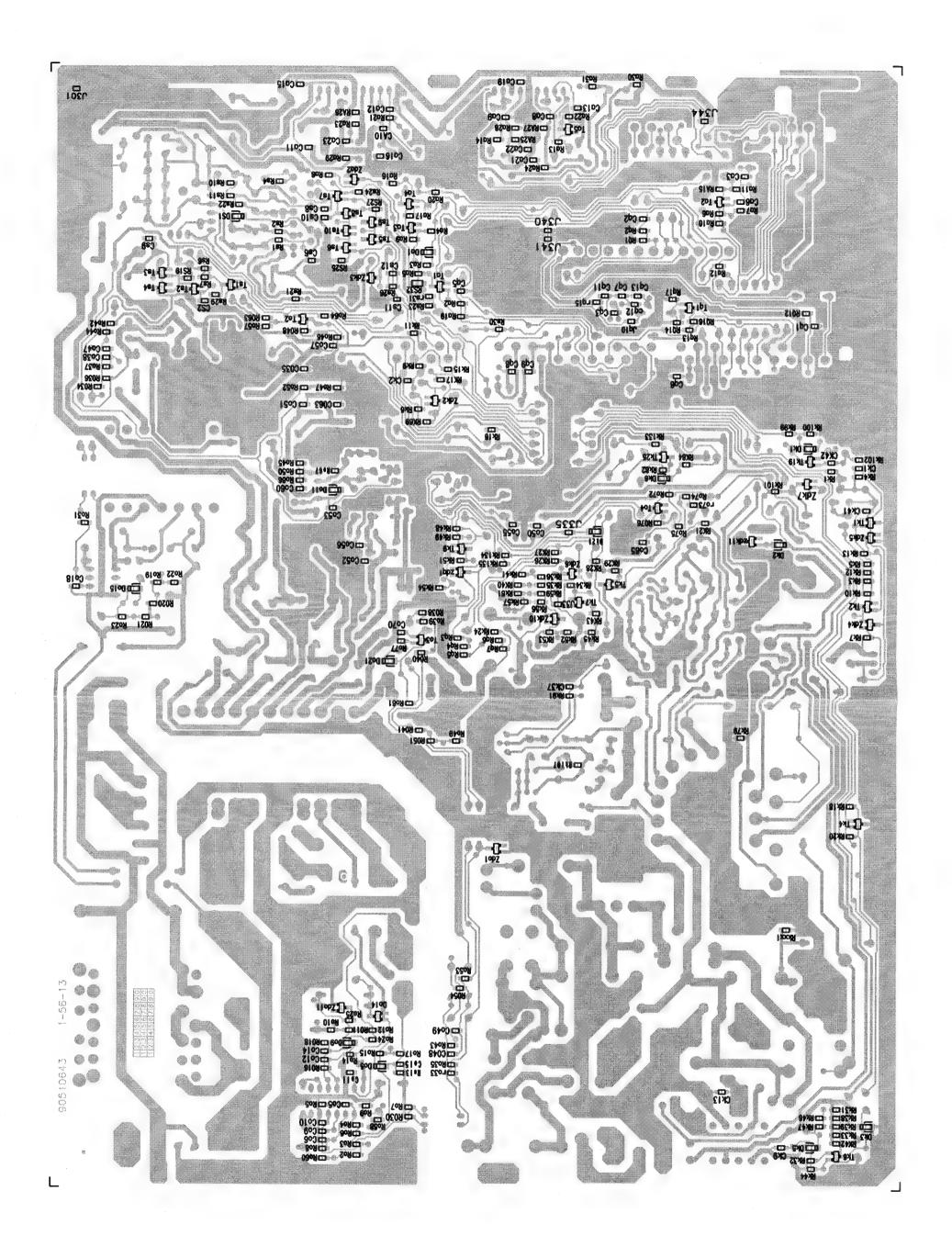


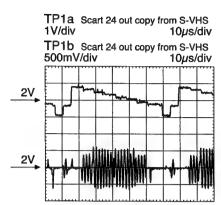


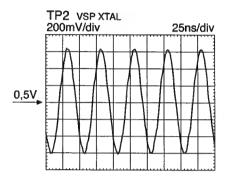


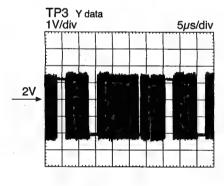
ERSION 3

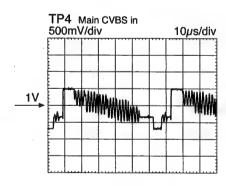
TN/TW CHASSIS MC2B SERIES 100Hz Griplet 1,9mm

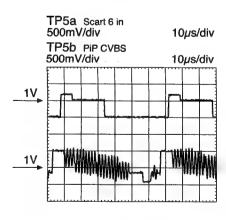


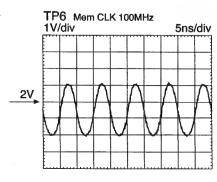


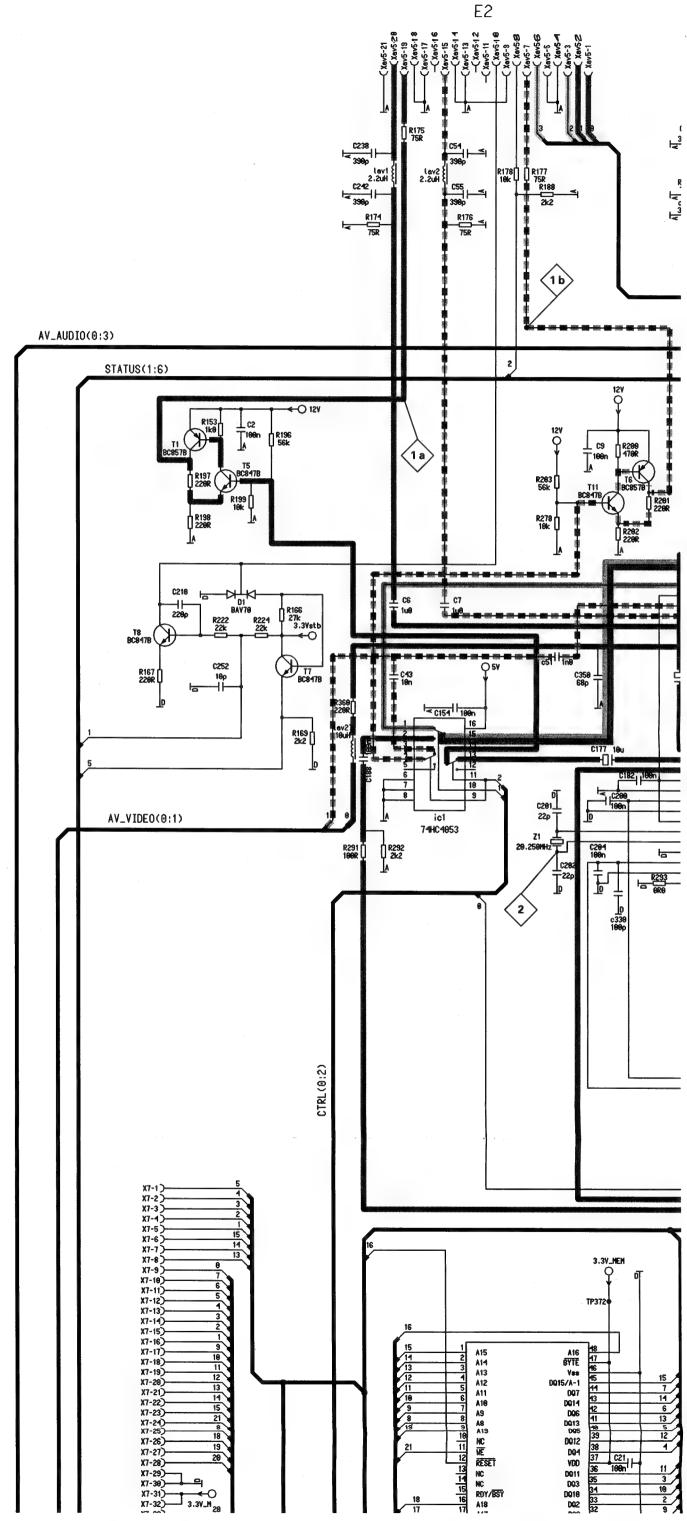


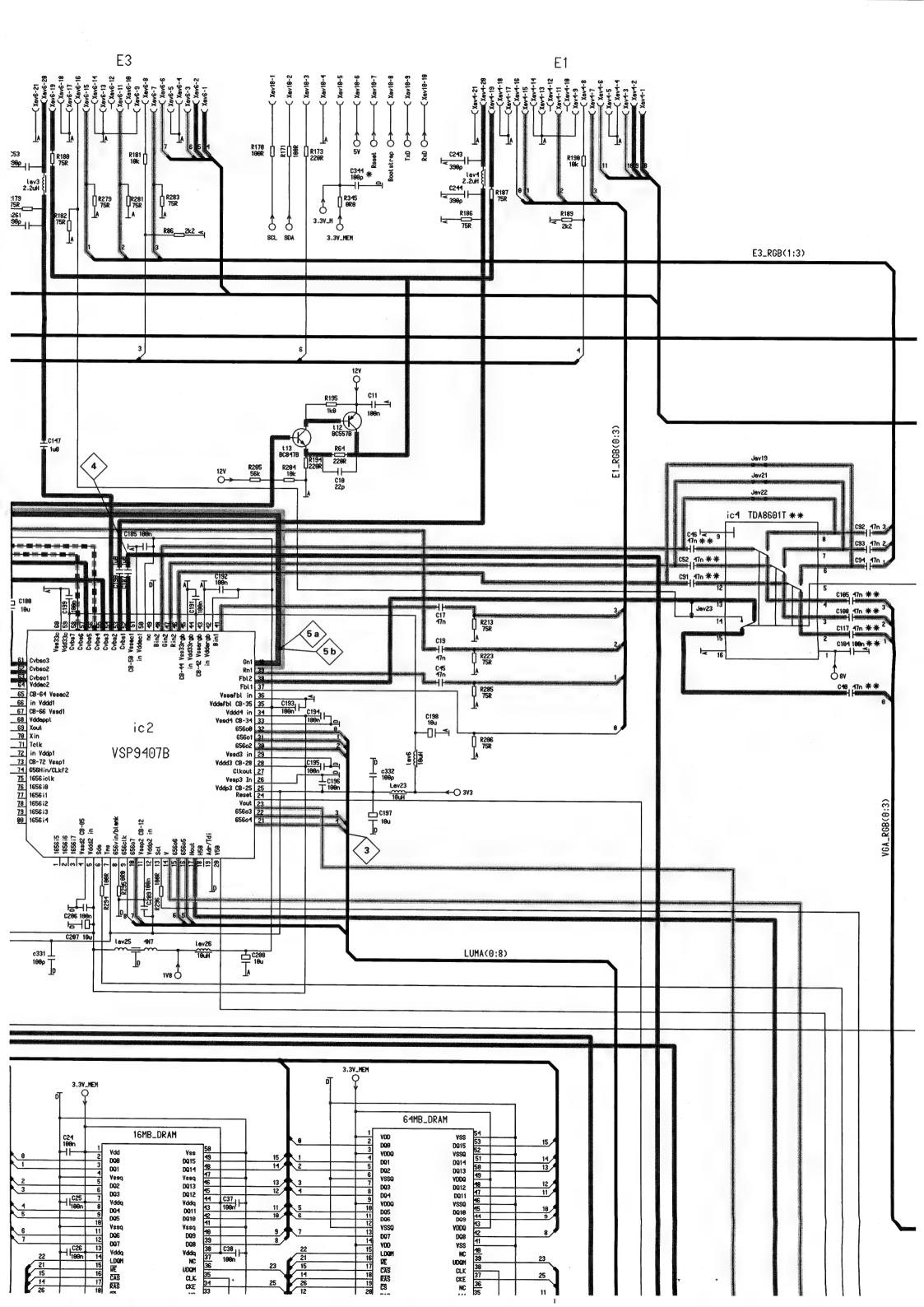


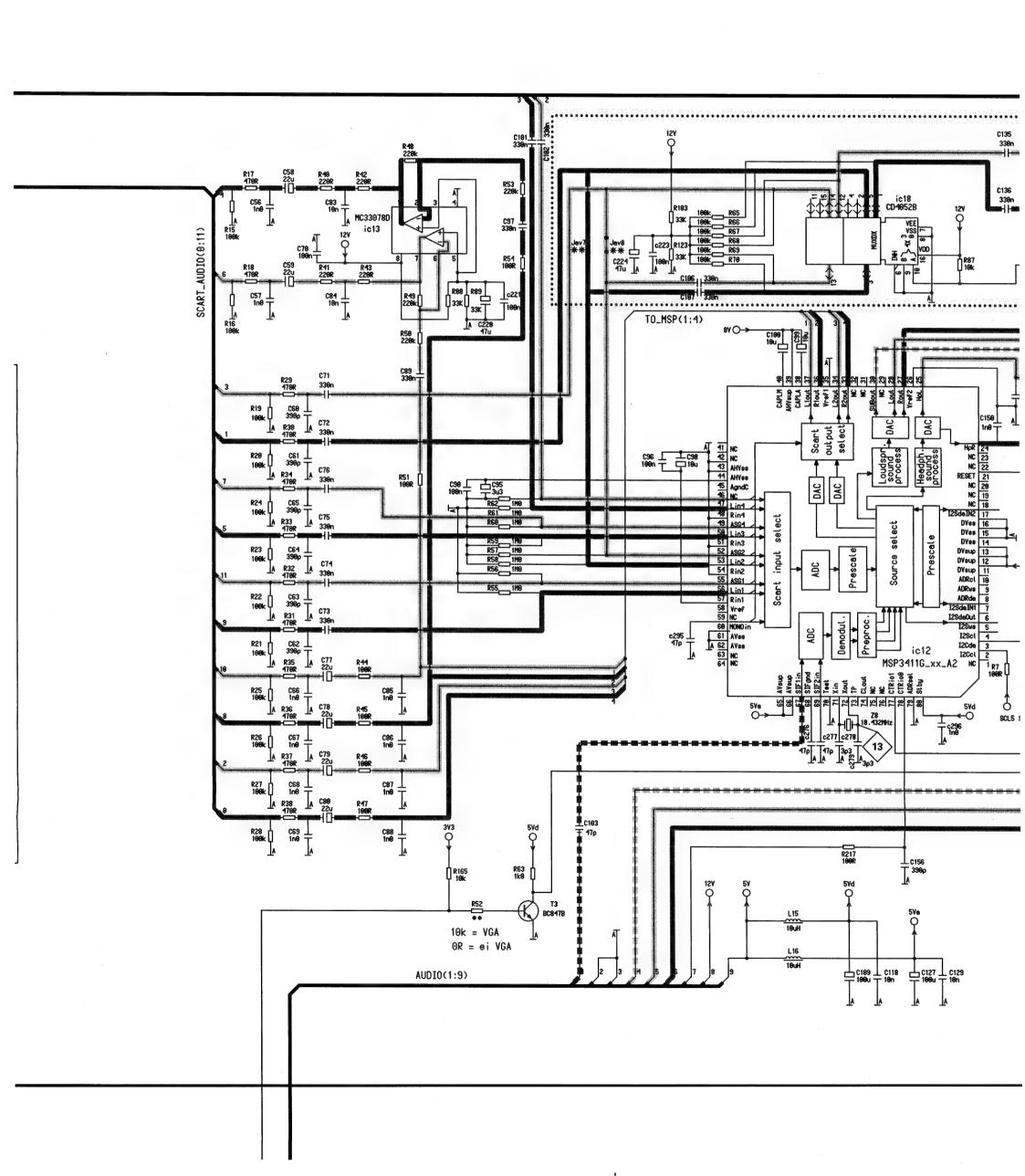


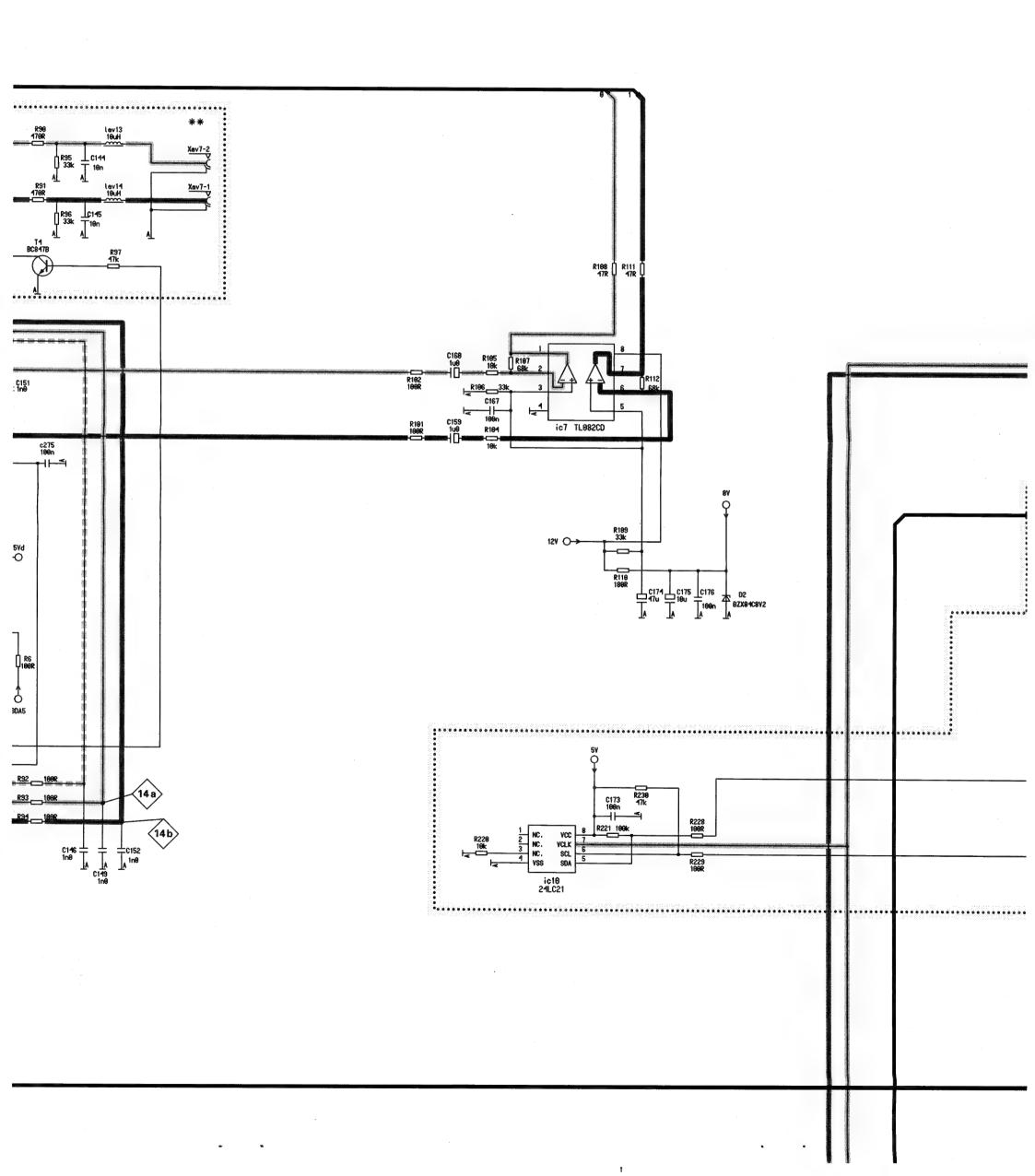


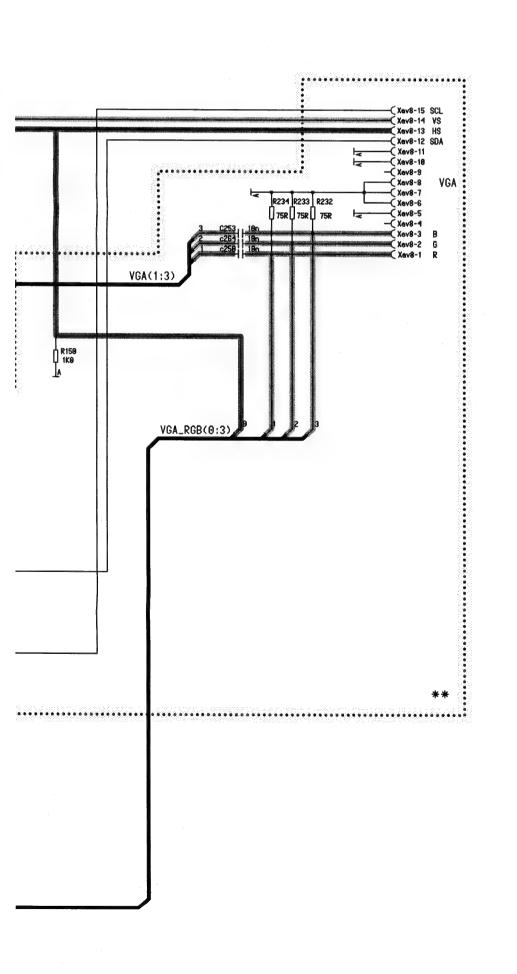


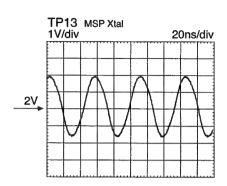


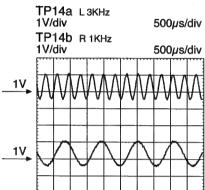


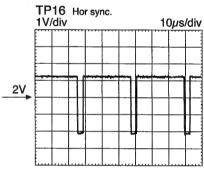


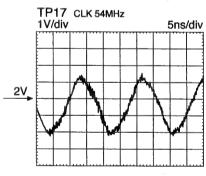


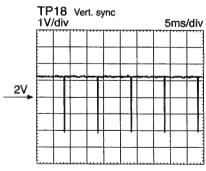


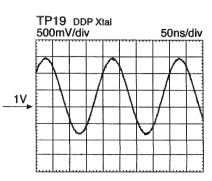






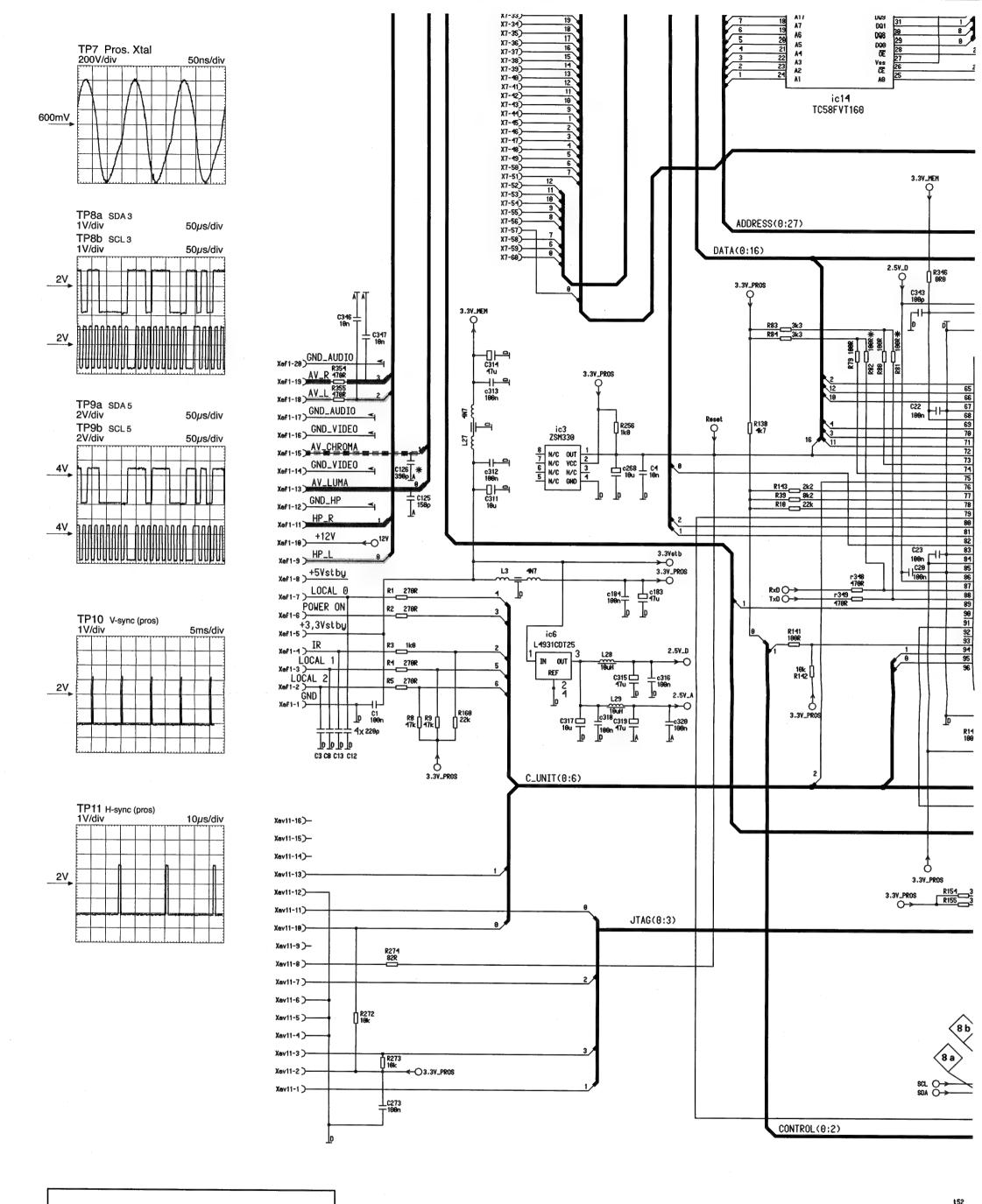






100µs/div

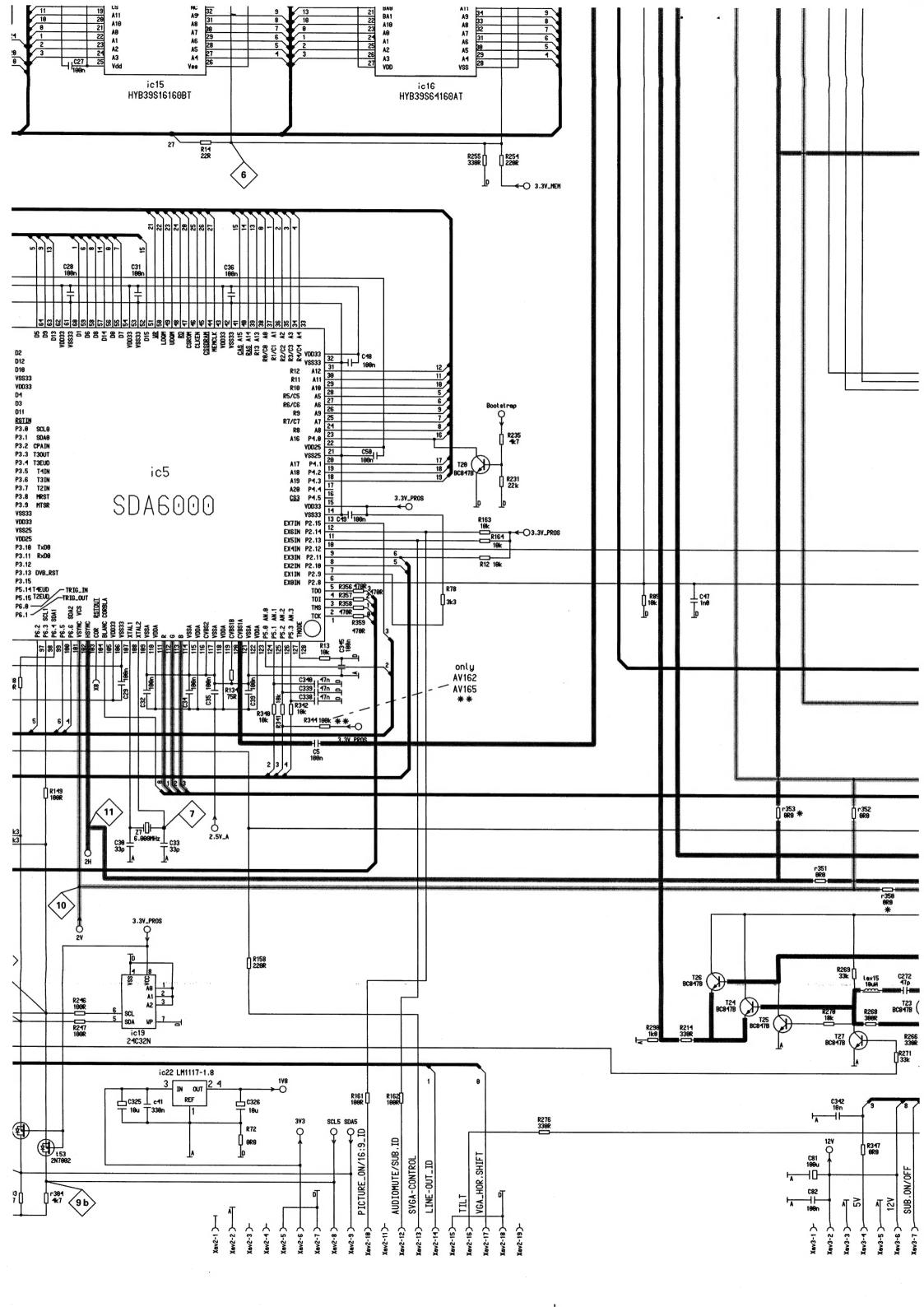
TP20a Sense 1V/div

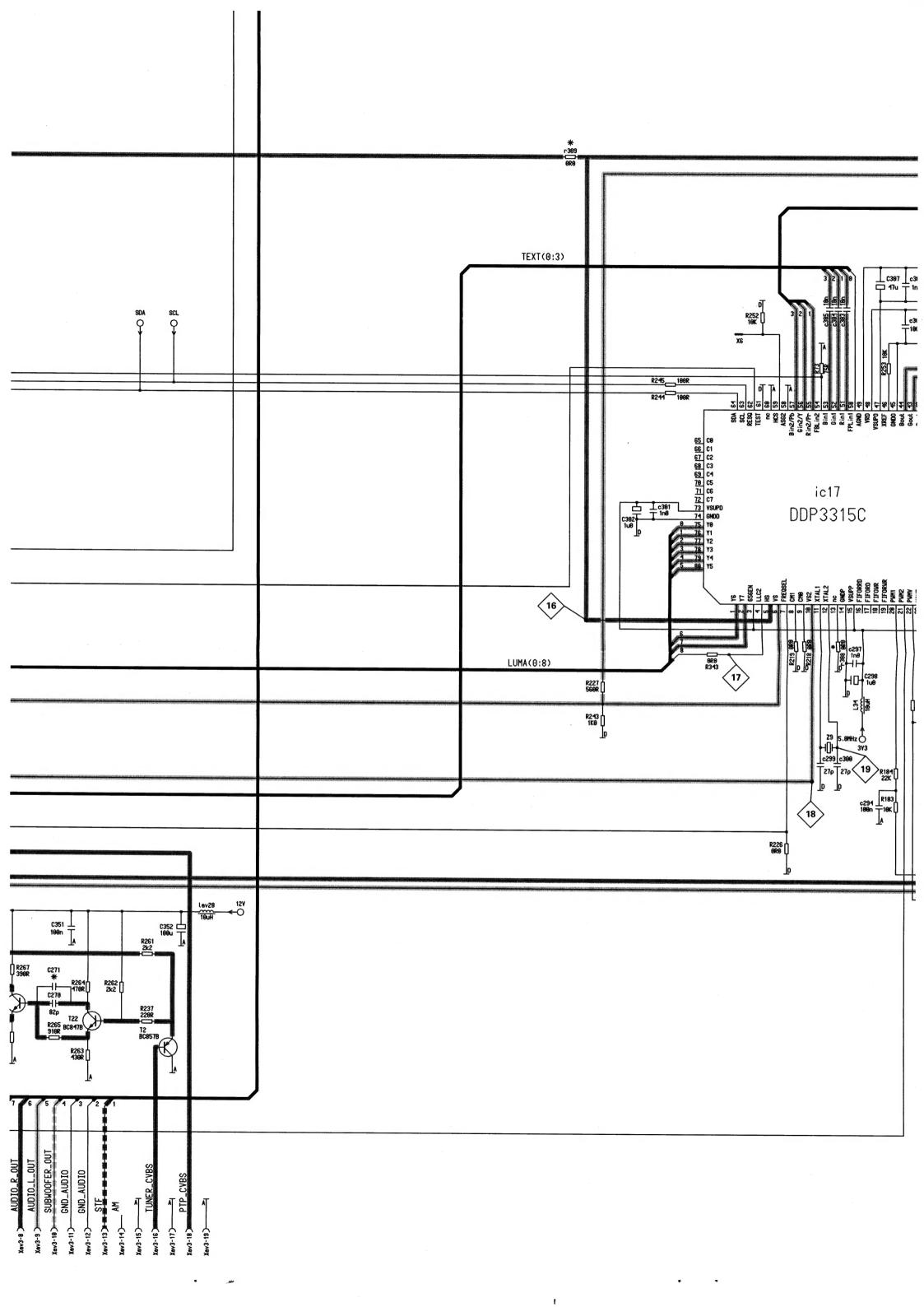


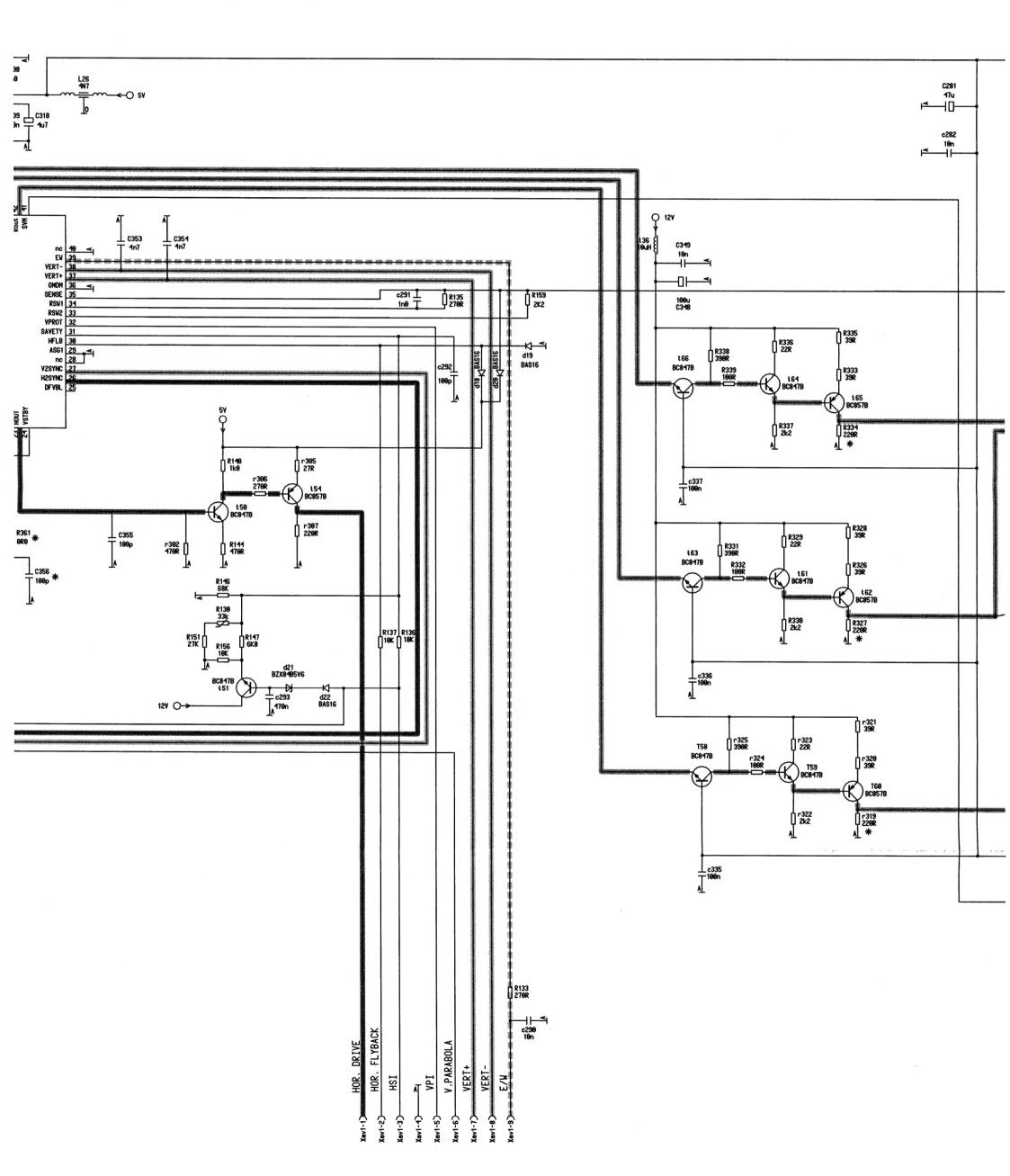
**VERSION 7** 

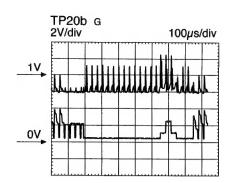
SIGNAL MODULE AV16\* MC2B SERIES

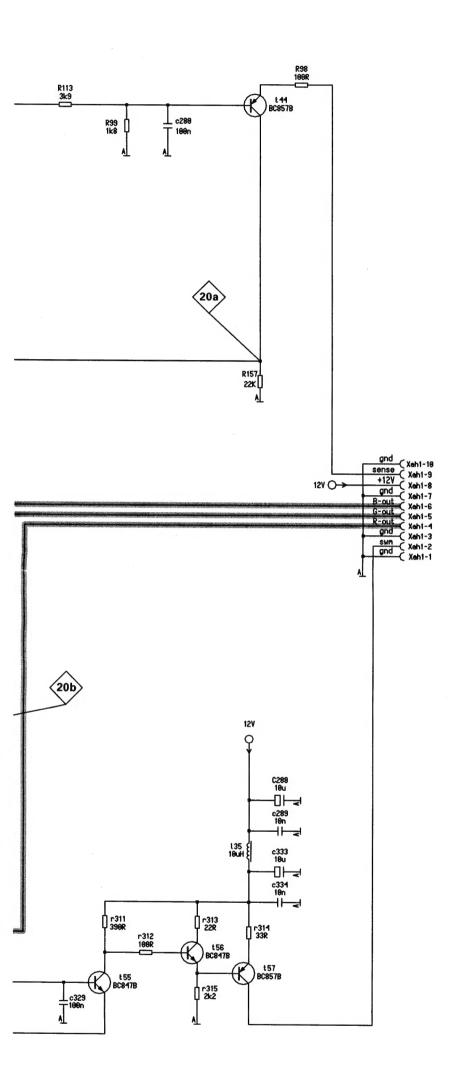












\* not used

\*\* version component

safety component,
must be replaced only with original parts.

Video signal (CVBS or Y)
Chroma signal
Sound IF signal
Audio signal (L)
Audio signal (R)
Subwoofer signal
RGB or UV signal
Horizontal deflection signal
Vertical deflection signal
E-W raster correction signal